

Datasheet for ABIN7660615  
**anti-TCP1 alpha/CCTA antibody (CF®740)**



[Go to Product page](#)

## Overview

|              |                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                                         |
| Target:      | TCP1 alpha/CCTA (TCP1)                                                                                                         |
| Reactivity:  | Human                                                                                                                          |
| Host:        | Mouse                                                                                                                          |
| Clonality:   | Monoclonal                                                                                                                     |
| Conjugate:   | This TCP1 alpha/CCTA antibody is conjugated to CF®740                                                                          |
| Application: | Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | p63 (Squamous, Basal & Myoepithelial Cell Marker) (TP63/2428), CF740 conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen:       | Recombinant full-length human p63 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clone:           | TP63-2428                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype:         | IgG2b, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Characteristics: | p63 is a homolog of the tumor suppressor p53. It is identified in basal cells in the epithelial layers of a variety of tissues, including epidermis, cervix, urothelium, breast and prostate. p63 was detected in nuclei of the basal epithelium in normal prostate glands, however, it was not expressed in malignant tumors of the prostate. As a result, p63 has been reported as a useful marker for differentiating benign from malignant lesions in the prostate, particularly when used in combination with markers of high molecular weight cytokeratins and the prostate-specific marker AMACR (P504S). p63 has also been shown to be a sensitive marker for lung squamous |

## Product Details

cell carcinomas (SqCC), with a sensitivity of ~90 % . Specificity for lung SqCC, vs. lung adenocarcinoma (LADC), is approximately 80 %. In breast tissue, p63 has been identified in myoepithelial cells of normal ducts. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TCP1 alpha/CCTA (TCP1)                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alternative Name: | p63                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Background:       | Synonyms: Amplified in squamous cell carcinoma (AIS), Chronic ulcerative stomatitis protein (CUSP), EEC3, Keratinocyte transcription factor KET, LMS, NBP, p40, P51/P63, p53 like transcription factor, p53-related protein p63, RHS, SHFM4, TAp63alpha, TP53CP, TP53L, TP63, TP73, TP73L, Transformation-related protein 63, Trp53rp1, Trp6,3, Tumor protein 63, Tumor protein p53-like, tumor protein p73-like<br>Gene Symbol: TP63 |
| Molecular Weight: | 63 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene ID:          | 8626                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt:          | <a href="#">Q9H3D4</a>                                                                                                                                                                                                                                                                                                                                                                                                                |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Immunohistology (formalin): 1-2 µg/mL for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined by user |
| Comment:           | Positive Control: HEK293 cells or Prostate Carcinoma or Lung or bladder squamous cell carcinoma                                                                                                                                                                                                                                                                                                                                                        |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Handling

|                    |                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                               |
| Concentration:     | 0.1 mg/mL                                                                                                                            |
| Buffer:            | PBS, 0.1 % rBSA, 0.05 % azide                                                                                                        |
| Preservative:      | Sodium azide                                                                                                                         |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.               |
| Handling Advice:   | Protect from light                                                                                                                   |
| Storage:           | 4 °C                                                                                                                                 |
| Storage Comment:   | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
| Expiry Date:       | 24 months                                                                                                                            |