Datasheet for ABIN7660635

anti-TCP1 alpha/CCTA antibody

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Overview

Quantity:	50 µL
Target:	TCP1 alpha/CCTA (TCP1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TCP1 alpha/CCTA antibody is un-conjugated
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)
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 Gene Symbol: TP63
Molecular Weight:	63 kDa
Gene ID:	8626
UniProt:	Q9H3D4

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:	1 mg/mL
Buffer:	PBS, no BSA, no azide
Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Store at -20 °C. Protect fluorescent conjugates from light
Expiry Date:	24 months