

Datasheet for ABIN7661441

## anti-TACSTD2 antibody (AA 31-274) (CF®568)



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### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | TACSTD2                                                                                                 |
| Binding Specificity: | AA 31-274                                                                                               |
| Reactivity:          | Human                                                                                                   |
| Host:                | Mouse                                                                                                   |
| Clonality:           | Monoclonal                                                                                              |
| Conjugate:           | This TACSTD2 antibody is conjugated to CF®568                                                           |
| Application:         | Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

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| Purpose:         | TACSTD2 / TROP2 (Epithelial Marker) (TACSTD2/2153), CF568 conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen:       | Recombinant fragment of human TACSTD2 protein (around aa 31-274)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clone:           | TACSTD2-2153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Isotype:         | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Characteristics: | TACSTD2 is a cell surface glycoprotein receptor. It is a single pass type I membrane protein containing one thyroglobulin type-1 domain, an epidermal growth factor-like repeat, a phosphatidylinositol binding site and tyrosine phosphorylation sites near the C-terminus. It plays a role intransducing intracellular calcium signals. It is expressed in trophoblast cells, cornea and multi-stratified epithelia. It is also highly expressed in several types of tumors and is involved in regulating the growth of carcinoma cells.Primary antibodies are available purified, or |

## Product Details

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

|                   |                                                                                                                                                                                                                                                                                             |
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| Target:           | TACSTD2                                                                                                                                                                                                                                                                                     |
| Alternative Name: | TACSTD2                                                                                                                                                                                                                                                                                     |
| Background:       | Synonyms: Cell surface glycoprotein Trop-2,Membrane Component Chromosome 1, Surface Marker 1 (M1S1),Pancreatic Carcinoma Marker Protein GA733-1,TROP2,Tumor-Associated Calcium Signal Transducer 2 (TACSTD2)<br>Gene Symbol: TACSTD2<br>Tissue Expression: Cornea Epithelial cells Placenta |
| Molecular Weight: | 40 kDa                                                                                                                                                                                                                                                                                      |
| Gene ID:          | 4070                                                                                                                                                                                                                                                                                        |
| UniProt:          | <a href="#">P09758</a>                                                                                                                                                                                                                                                                      |

## Application Details

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| 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: HT29 cells. Breast or Colon Carcinoma                                                                                                                                                                                                                                                                                                                                                                                                |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Handling

|                |                              |
|----------------|------------------------------|
| Format:        | Liquid                       |
| Concentration: | 0.1 mg/mL                    |
| Buffer:        | PBS, 0.1 % BSA, 0.05 % azide |
| Preservative:  | Sodium azide                 |

## Handling

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|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Handling Advice: | Protect from light |
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| Storage: | 4 °C |
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| 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 |
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| Expiry Date: | 24 months |
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