Datasheet for ABIN7661457

anti-TACSTD2 antibody (AA 31-274)

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Overview

Quantity:	50 µL
Target:	TACSTD2
Binding Specificity:	AA 31-274
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TACSTD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	TACSTD2 / TROP2 (Epithelial Marker) (TACSTD2/2151)
Immunogen:	Recombinant fragment of human TACSTD2 protein (around aa 31-274)
Clone:	TACSTD2-2151
Isotype:	IgG2b, 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 in transducing 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

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) Gene Symbol: TACSTD2 Tissue Expression: Cornea|Epithelial cells|Placenta
Molecular Weight:	40 kDa
Gene ID:	4070
UniProt:	P09758

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. Western blotting 0.5-1 µg/mL. 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:	1 mg/mL
Buffer:	PBS, no BSA, no azide
Preservative:	Without preservative

Handling

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