

Datasheet for ABIN7661431

anti-TACSTD2 antibody (AA 31-274) (CF®405S)



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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®405S
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	TACSTD2 / TROP2 (Epithelial Marker) (TACSTD2/2152), CF405S conjugate
Immunogen:	Recombinant fragment of human TACSTD2 protein (around aa 31-274)
Clone:	TACSTD2-2152
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 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:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide

Handling

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. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months