Datasheet for ABIN7661450

anti-TACSTD2 antibody (AA 31-274) (CF®594)

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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®594
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	TACSTD2 / TROP2 (Epithelial Marker) (TACSTD2/2153), CF594 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

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. 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