Datasheet for ABIN6939971

anti-TACSTD2 antibody (AA 31-274)

5 Images

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Overview

Quantity:	100 µg
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), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human TACSTD2 protein (around aa 31-274) (exact sequence is proprietary)
Clone:	TACSTD2-2151
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	TACSTD2
Alternative Name:	TACSTD2 (TACSTD2 Products)
Background:	TACSTD2is a cell surface glycoprotein receptor. It is a single pass type I membrane protein

Target Details

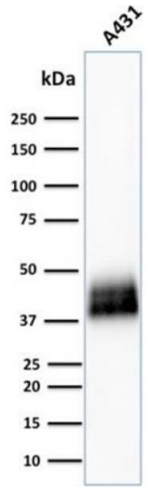
	containing one thyroglobulin type-1 domain, an epidermal growth factor-like repeat, a phosphatidylinositol binding site and tyrosine phosphorylation sites near the C-terminus. It plays a role intransducing intracellular calcium signals. It is expressed in trophoblast cells, cornea and multi-stratified epithelia. It is also highly expressed in several types of tumors and is involved in regulating the growth of carcinoma cells.
Molecular Weight:	40kDa
Gene ID:	4070
UniProt:	P09758

Application Details

Application Notes:	Positive Control: HT29 cells. Breast or Colon Carcinoma. Known Application: Western Blot (1-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

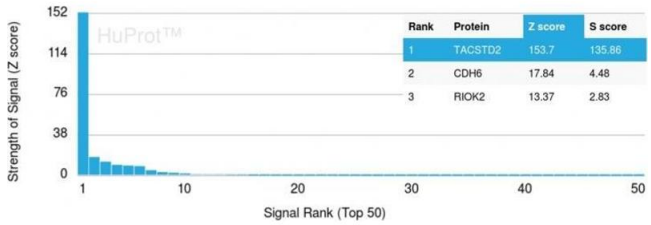
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



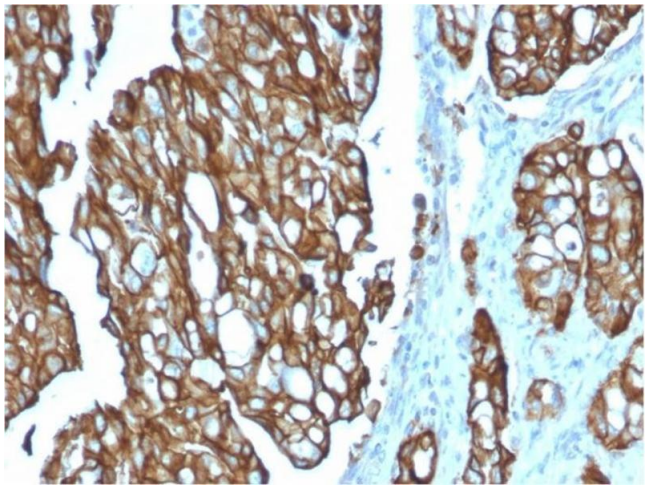
Western Blotting

Image 1. Western Blot Analysis of human A431 cell lysate using TACSTD2 / TROP2 Mouse Monoclonal Antibody (TACSTD2/2151).



Protein Array

Image 2. Analysis of Protein Array containing >19,000 full-length human proteins using TACSTD2 Mouse Monoclonal Antibody (TACSTD2/2151) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with TACSTD2 / TROP2 Mouse Monoclonal Antibody (TACSTD2/2151).

Please check the product details page for more images. Overall 5 images are available for ABIN6939971.