

Mouse TACSTD2/TROP2 Monoclonal Antibody | anti-TACSTD2 antibody

TACSTD2/TROP2 (Epithelial Marker)

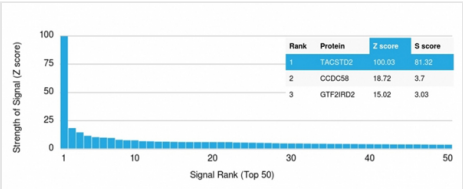
CATALOG # AAA23900	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

TACSTD2/TROP2; Monoclonal Antibody; TACSTD2/TROP2 (Epithelial Marker); 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); anti-TACSTD2 antibody

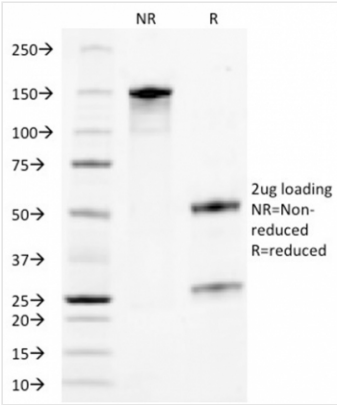
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	TACSTD2/2153
Specificity	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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	323
Applicable Applications for anti-TACSTD2 antibody	IHC (Immunohistochemistry)
Application Notes	IHC-F: 1-2ug/ml for 30 min at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes
Immunogen	Recombinant fragment of human TACSTD2 protein (around aa 31-274)
Cellular Localization	Cell Surface
Hu-chromosome Location	1p32.1
Positive Control	HT29 cells. Breast or Colon Carcinoma



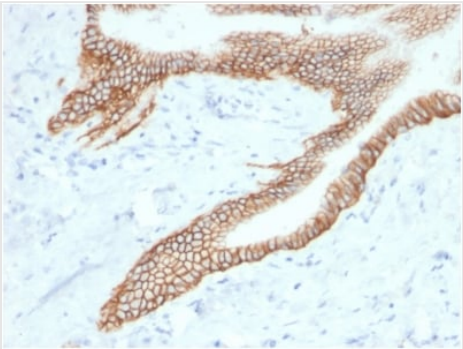
Application Data

Analysis of Protein Array containing >19, 000 full-length human proteins using TACSTD2 Mouse Monoclonal Antibody (TACSTD2/2153) 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 (SD's) 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 SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be 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.



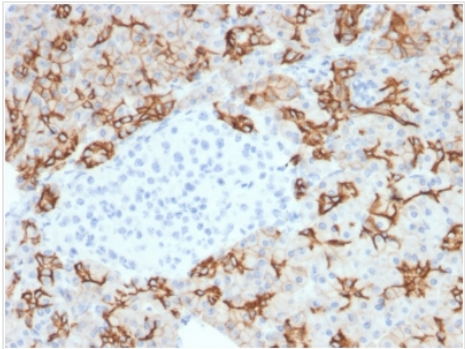
SDS-PAGE

SDS-PAGE Analysis Purified TACSTD2 / TROP2Mouse Monoclonal Antibody (TACSTD2/2153).Confirmation of Integrity and Purity of Antibody.



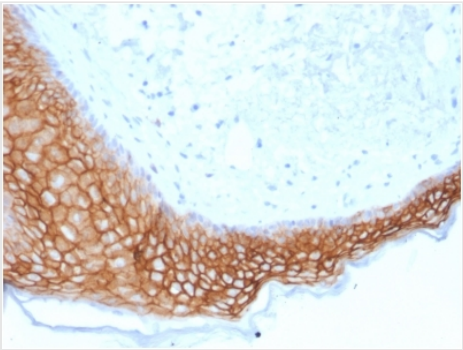
IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Pancreatic Carcinoma stained with TACSTD2 / TROP2Mouse Monoclonal Antibody (TACSTD2/2153).



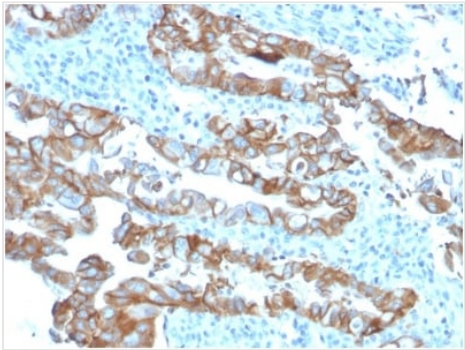
IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Pancreatic Carcinoma stained with TACSTD2 / TROP2Mouse Monoclonal Antibody (TACSTD2/2153).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with TACSTD2 / TROP2Mouse Monoclonal Antibody (TACSTD2/2153).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with TACSTD2 / TROP2Mouse Monoclonal Antibody (TACSTD2/2153).

ADDITIONAL INFORMATION

References	Fornaro, M., et al. 1995. Cloning of the gene encoding Trop-2, a cell-surface glycoprotein expressed by human carcinomas. Int. J. Cancer 62: 610-618.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166795236
NCBI GeneID	4070
NCBI Accession #	NP_002344.2

NCBI GenBank Nucleotide #	NM_002353.2
UniProt Accession #	P09758 ; Q15658 ; Q6FG48 ; Q7Z7Q4 ; Q96QD2
Molecular Weight	40kDa
NCBI Official Full Name	tumor-associated calcium signal transducer 2
NCBI Official Synonym Full Names	tumor associated calcium signal transducer 2
NCBI Official Symbol	TACSTD2
NCBI Official Synonym Symbols	EGP1; GP50; M1S1; EGP-1; TROP2; GA7331; GA733-1
NCBI Protein Information	tumor-associated calcium signal transducer 2
UniProt Protein Name	Tumor-associated calcium signal transducer 2
UniProt Gene Name	TACSTD2
UniProt Synonym Gene Names	GA733-1; M1S1; TROP2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tacstd2-trop2-antibody-clone-tacstd2-2153-immunohistochemistry-elisa/23900>