TACSTD2 / TROP2 (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone TACSTD2/2153]

Catalog No	Format	Size
4070-MSM3-P0	Purified Ab with BSA and Azide	200ug/ml
4070-MSM3-P1	Purified Ab with BSA and Azide	200ug/ml
4070-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

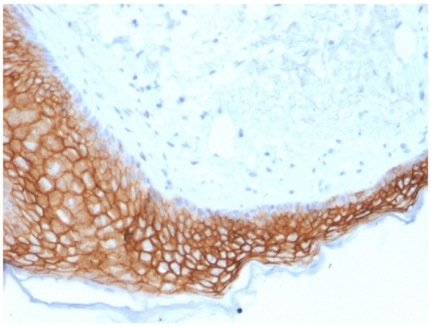
Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

Product Details

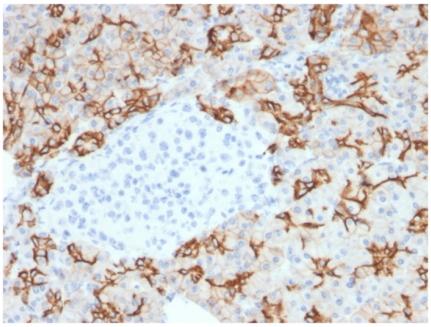
Clone	TACSTD2/2153
Gene Name	TACSTD2
Immunogen	Recombinant fragment of human TACSTD2 protein (around aa 31-274) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	40kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	HT29 cells. Breast or Colon Carcinoma.

**Optimal dilution for a specific application should be determined.*

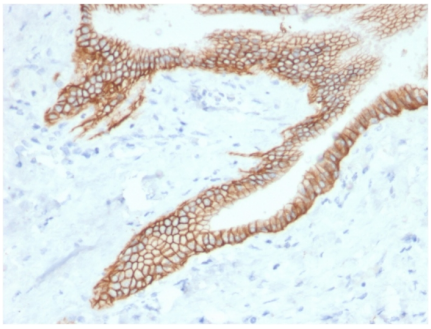
Product Images for TACSTD2 / TROP2 (Epithelial Marker) Antibody



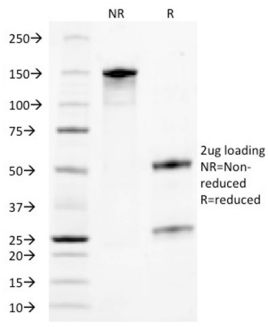
Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with TACSTD2-Monospecific Mouse Monoclonal Antibody (TACSTD2/2153).



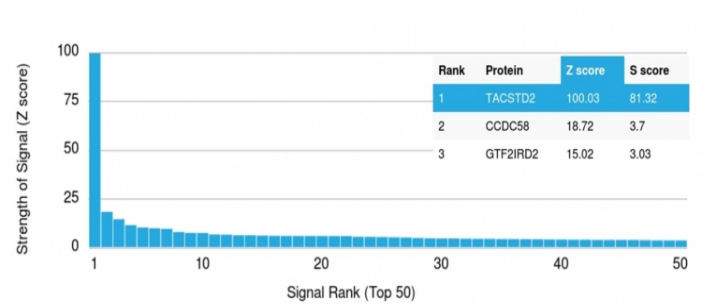
Formalin-fixed, paraffin-embedded human Pancreatic Carcinoma stained with TACSTD2-Monospecific Mouse Monoclonal Antibody (TACSTD2/2153).



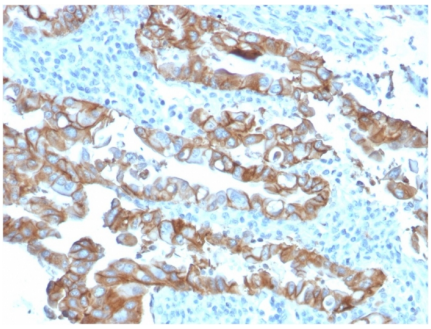
Formalin-fixed, paraffin-embedded human Pancreatic Carcinoma stained with TACSTD2-Monospecific Mouse Monoclonal Antibody (TACSTD2/2153).



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



Analysis of Protein Array containing >19,000 full-length human proteins using TACSTD2-Monospecific 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 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.



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

Specificity & Comments

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.

Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

Supplied As

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.

Storage and Stability

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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