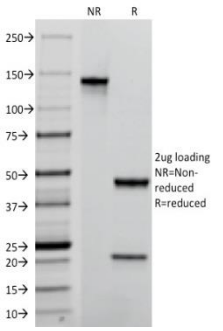
Anti-TROP2 Antibody (Clone# TACSTD2/2152)

CATALOG NO.:	**A2239-100 (100 µg)**

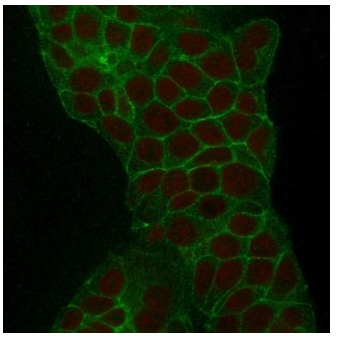
BACKGROUND DESCRIPTION: TROP2 is a cell surface glycoprotein receptor. It is a single-pass type I membrane protein containing one thyroglobulin type-1 domain, an epidermal growth factor-like repeat, a phosphatidylinositol binding site, and tyrosine phosphorylation sites near the C-terminus. It plays 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.

ALTERNATE NAMES:	EGP1, GP50, M1S1, EGP-1, TACSTD2, GA7331, GA733-1, TROP2
ANTIBODY TYPE:	Monoclonal
CLONE:	TACSTD2/2152
HOST/ISOTYPE:	Mouse / IgG1, kappa
IMMUNOGEN:	Recombinant fragment of human TACSTD2 protein (around aa 31-274)
PURIFICATION:	Protein A/G purified
FORM:	Liquid
FORMULATION:	In 10 mM PBS
SPECIES REACTIVITY:	Human
STORAGE CONDITIONS:	Store at -20ºC. Avoid freeze/thaw cycles
APPLICATIONS AND USAGE:	IHC (1-2 µg/ml), IF (1-2 µg/ml)

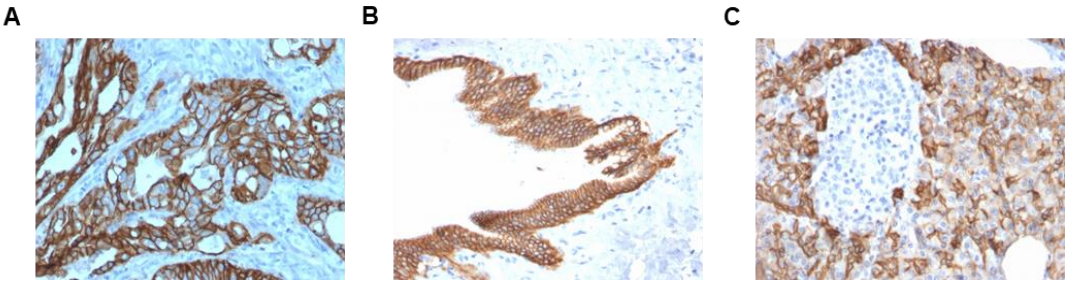
This information is only intended as a guide. The optimal dilutions must be determined by the user



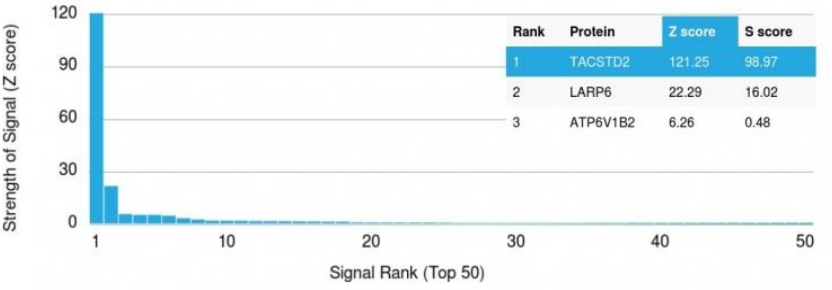
SDS-PAGE analysis to confirm the purity and integrity of Anti-TROP2 antibody (Clone# TACSTD2/2152).



Immunofluorescence analysis of MCF-7 cells using Anti-TROP2 antibody (Clone# TACSTD2/2152). Secondary antibody used was CF488 conjugated Goat Anti-Mouse IgG antibody. Nuclei were stained using Reddot.



Immunohistochemical analysis of paraffin embedded human colon carcinoma (A), human pancreatic carcinoma (B and C) using Anti-TROP2 antibody (Clone# TACSTD2/2152).



Rank	Protein	Z score	S score
1	TACSTD2	121.25	98.97
2	LARP6	22.29	16.02
3	ATP6V1B2	6.26	0.48

Protein Array analysis of > 19,000 full-length human proteins on HuProt™ array using the Anti-TROP2 antibody (Clone# TACSTD2/2152). Protein array data is represented in the form of the Z-score and S-score. Z-score denotes the signal strength of a monoclonal antibody (in conjugation with fluorescently-tagged anti-IgG secondary antibody) that it produces when binding to a particular protein on an array. S-score denotes the specificity of a monoclonal antibody relative to the target protein. S-score is calculated as the difference between the Z-scores. If the S-score is > 2.5, then the monoclonal antibody is specific to its target protein of interest.

RELATED PRODUCTS:

p44/42 MAPK (Erk1/2) Antibody (3085R)
TACE Antibody (3222R)
HNF4A Antibody (3121)
AKT1 Antibody (CT) (6744)

FOR RESEARCH USE ONLY! Not to be used on humans.