

Datasheet for ABIN7506026

anti-TACSTD2 antibody

4 Images

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Overview

Quantity:	0.1 mg
Target:	TACSTD2
Reactivity:	Human, Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TACSTD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Hu TROP2 Purified
Immunogen:	TROP2-transfected CHO cells
Clone:	TrMab-6
Isotype:	IgG2b kappa
Specificity:	The mouse monoclonal antibody TrMab-6 recognizes an extracellular epitope of TROP2, a type I transmembrane glycoprotein. This antibody is useful for detection of TROP2 in breast cancer.
No Cross-Reactivity:	Mouse
Purification:	Purified by protein-A affinity chromatography.

Target Details

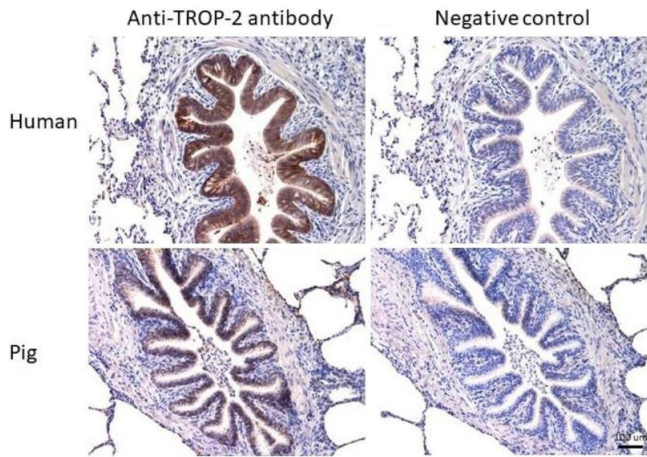
Target:	TACSTD2
Alternative Name:	TROP2 (TACSTD2 Products)
Background:	Tumor associated calcium signal transducer 2,TROP2 is a cell surface receptor that transduces calcium signals. It belongs to carcinoma-associated antigens. Mutations of TROP2 have been associated with gelatinous drop-like corneal dystrophy.,TACSTD2, EGP1, GP50, M1S1, GA733-1
Gene ID:	4070
UniProt:	P09758

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL. Western blotting: Recommended dilution: 1 µg/mL. Immunocytochemistry: Recommended dilution: 10 µg/mL, the cells can be fixed with 4 % PFA and permeabilized with 0.1 % Triton X-100 before antibody staining, when needed. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/mL. Heat-mediated antigen retrieval in citrate buffer, pH = 6.
Restrictions:	For Research Use only

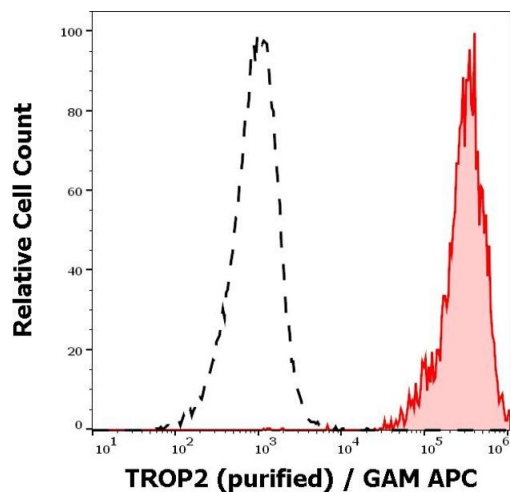
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium 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
Storage Comment:	Store at 2-8°C. Do not freeze.



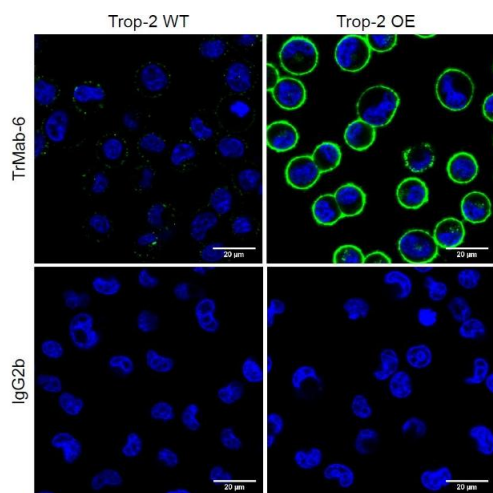
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry staining (paraffin sections) of TROP2 in human and porcine lung tissue using mouse monoclonal antibody TrMab-6 (diluted 1:100), detected with En Vision FLEX/HRP. Positive in basolateral parts of airway epithelium. Negative control was stained without primary antibody- Scale bar represents 100 µm. Tested by Vendula Pelková and Aleš Hampl, Department of Histology and Embryology at Faculty of Medicine, Masaryk University, Czech Republic.



Flow Cytometry

Image 2. Separation of A431 cells (red-filled) from human peripheral whole blood cells (black-dashed) in flow cytometry analysis (surface staining) stained using anti-human TROP-2 (TrMab-6) purified antibody (concentration in sample 1,7 µg/mL, GAM APC).



Immunocytochemistry

Image 3. Immunocytochemistry staining of TROP2 on the surface of unfixed wild-type and TROP2-overexpressing MDA-MB-231 cells using mouse monoclonal antibody TrMab-6 (1 µg/mL), detected with GAM IgG-Alexa Fluor488 (diluted 1:1000, green), isotype control IgG2b was used as the negative control. DNA stained with DAPI (blue). Tested by Ondřej Vacek and Karel Souček, Institute of Biophysics of the Czech Academy of Sciences.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7506026.