9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-2706: Anti-Hu TROP2 Purified

Clonality :	Monoclonal
Clone Name :	TrMab-6
Application :	WB
Reactivity :	Pig
Gene :	TACSTD2
Gene ID :	4070
Uniprot ID :	P09758
Format :	Purified
Alternative Name :	tumor associated calcium signal transducer 2 TACSTD2, EGP1, GP50, M1S1, GA733-1
Immunogen Information :	TROP2-transfected CHO cells

Description

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.
Specificity :The mouse monoclonal antibody TrMab-6 recognizes an extracellular epitope of TROP2, a type I transmembrane glycoprotein. This antibody is usefull for detection of TROP2 in breast cancer.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 Âµg/ml.
Western blotting: Recommended dilution: 1 Âµg/ml.
Immunocytochemistry: Recommended dilution: 10 Âµg/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 Âµg/ml. Heat-mediated antigen retrieval in citrate buffer, pH = 6.

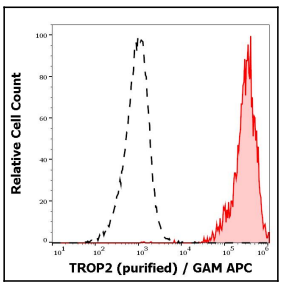


Figure 1: Separation of A431 cells (red-filled) from human peripheral whole blood cells (black-dashed) in flow cytometry analysis (surface staining) stained using anti-human TROP-2 (TrMab-6) purified antibody

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

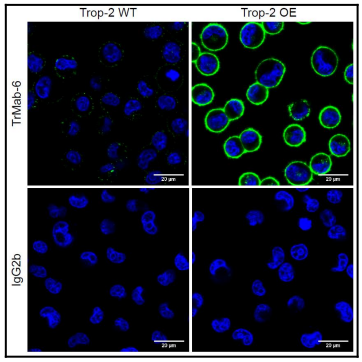


Figure 2: Immunocytochemistry staining of TROP2 on the surface of unfixed wild-type and TROP2-overexpressing MDA-MB-231 cells using mouse monoclonal antibody TrMab-6 (1 µg/ml), detected with GAM IgG-Alexa Fluor®488 (diluted 1:1000, green); isotype control IgG2b was used as the negative control. DNA stained with DAPI (blue)

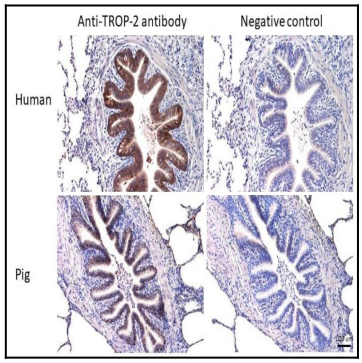


Figure 3: Immunohistochemistry staining (paraffin sections) of TROP2 in human and porcine lung tissue using mouse monoclonal antibody TrMab-6 (diluted 1:100), detected with En Vision FLEX/HRP. Positive in basolateral parts of airway epithelium. Negative control was stained without primary antibody- Scale bar represents 100 µm.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.