

For Research Use Only

TACSTD2/TROP2 Polyclonal antibody



Catalog Number: 29856-1-AP

Basic Information

Catalog Number: 29856-1-AP	GenBank Accession Number: BC009409	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 4070	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P09758	
Isotype: IgG	Full Name: tumor-associated calcium signal transducer 2	
Immunogen Catalog Number: AG31473	Calculated MW: 36 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : A431 cells, HaCaT cells
Species Specificity: Human	IF/ICC : HaCaT cells,

Background Information

Trophoblast cell surface antigen 2 (TROP2), also named as TACSTD2, is a transmembrane glycoprotein. TROP2 plays a role in transducing intracellular calcium signals. It is expressed in trophoblast cells, cornea and multi-stratified epithelia. TROP2 is overexpressed in most carcinomas and is involved in cancer proliferation, migration, invasion, and metastasis. Congenital mutations of TROP2 cause a rare autosomal recessive disease which may lead to blindness-the gelatinous drop-like corneal disease (PMID: 35688908).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

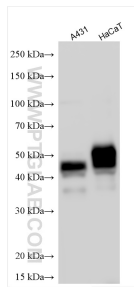
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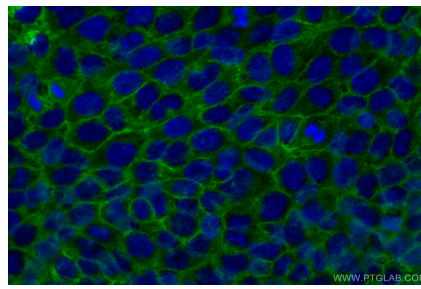
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29856-1-AP (TACSTD2/TROP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HaCaT cells using TACSTD2/TROP2 antibody (29856-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).