

For Research Use Only

TACSTD2/TROP2 Recombinant antibody

Catalog Number: 86155-1-RR



Basic Information

Catalog Number:	86155-1-RR	GenBank Accession Number:	BC009409	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenID (NCBI):	4070	CloneNo.:	250382C9
Source:	Rabbit	UNIPROT ID:	P09758	Recommended Dilutions:	WB: 1:5000-1:50000 IHC: 1:500-1:2000
Isotype:	IgG	Full Name:	tumor-associated calcium signal transducer 2		
Immunogen Catalog Number:	EG3329	Calculated MW:	36 kDa		
		Observed MW:	45-55 kDa		

Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Species Specificity:	human	WB:	HaCaT cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			IHC: human placenta tissue, human breast cancer tissue

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

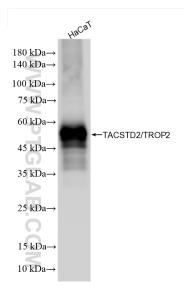
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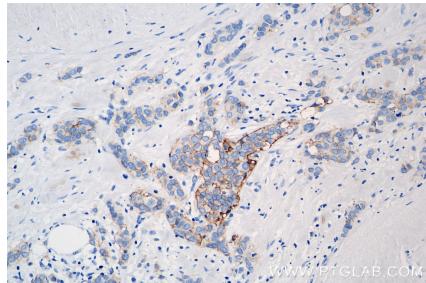
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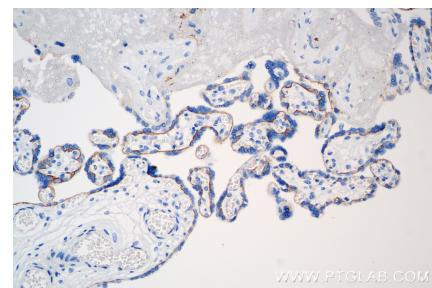
Selected Validation Data



HaCaT cells lysate was subjected to SDS PAGE followed by western blot with 86155-1-RR (TACSTD2/TROP2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 86155-1-RR (TACSTD2/TROP2 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 86155-1-RR (TACSTD2/TROP2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).