

For Research Use Only

# TACSTD2/TROP2 Recombinant antibody, PBS Only

Catalog Number: 86155-1-PBS



## Basic Information

<b>Catalog Number:</b> 86155-1-PBS	<b>GenBank Accession Number:</b> BC009409	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4070	<b>CloneNo.:</b> 250382C9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P09758	
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor-associated calcium signal transducer 2	
<b>Immunogen Catalog Number:</b> EG3329	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 45-55 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human

## 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

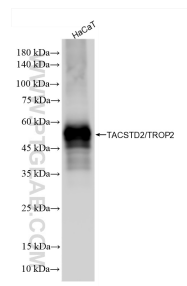
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

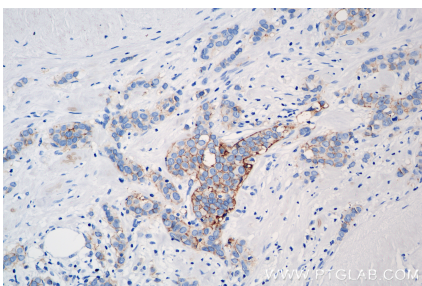
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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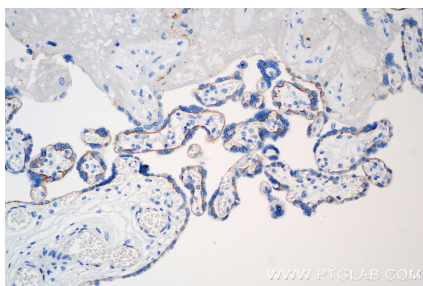
## Selected Validation Data



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. This data was developed using the same antibody clone with 86155-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86155-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86155-1-PBS in a different storage buffer formulation.