

For Research Use Only

TPD52L2 Monoclonal antibody

Catalog Number: 68077-1-Ig



Basic Information

Catalog Number: 68077-1-Ig	GenBank Accession Number: BC006804	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7165	CloneNo.: 3B3C6
Source: Mouse	UNIPROT ID: O43399	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000 IF/ICC 1:400-1:1600
Isotype: IgG2b	Full Name: tumor protein D52-like 2	
	Calculated MW: 206 aa, 22 kDa	
	Observed MW: 25-30 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
Human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Calu-3 cells, NCI-H1299 cells, MCF-7 cells, C6 cells, Neuro-2a cells, HCT 116 cells

IHC: human breast cancer tissue,

IF/ICC: HCT 116 cells,

Background Information

Tumor protein D52-like proteins (TPD52) are small coiled-coil motif bearing proteins that were first identified in breast carcinoma. Three human TPD52 members had been identified, named hD52 (TPD52), hD53 (TPD52L1), and hD54 (TPD52L2). The most important characteristic of the protein family is a highly conserved coiled-coil motif that is required for homo- and heteromeric interaction with other TPD52-like proteins. TPD52 and related proteins have been implicated in cell proliferation, apoptosis, and vesicle trafficking. TPD52L2 has five isoforms produced by alternative splicing, and its multiple sites have been identified to be phosphorylated. Interaction of TPD52L2 with MAL2, a novel member of the MAL proteolipid family, may be required for the role of TPD52L2 in vesicle transport.

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:

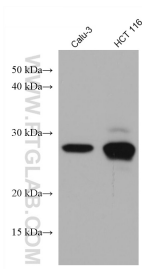
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E: Proteintech-CN@ptglab.com

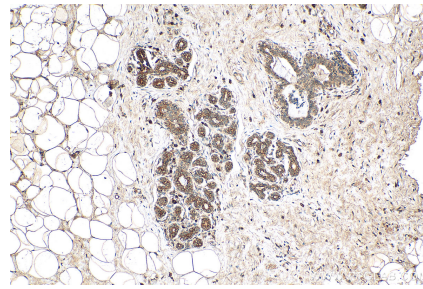
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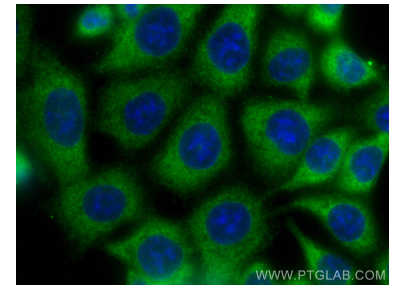
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68077-1-Ig (TPD52L2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 68077-1-Ig (TPD52L2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HCT 116 cells using TPD52L2 antibody (68077-1-Ig, Clone: 3B3C6) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).