

For Research Use Only

Flotillin 2 Monoclonal antibody

Catalog Number: 66881-1-Ig **7 Publications**



Basic Information

Catalog Number: 66881-1-Ig	GenBank Accession Number: BC017292	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 458 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2319	CloneNo.: 1E11G12
Source: Mouse	UNIPROT ID: Q14254	Recommended Dilutions: WB 1:2000-1:20000 IHC 1:200-1:800 IF/ICC 1:2000-1:8000
Isotype: IgG1	Full Name: flotillin 2	
Immunogen Catalog Number: AG28308	Calculated MW: 379 aa, 42 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Cited Applications: WB, IF, CoIP	WB : pig brain tissue, A431 cells, HeLa cells, HEK-293 cells, A549 cells, NIH/3T3 cells, rabbit brain tissue, rat brain tissue, mouse brain tissue
Species Specificity: human, mouse, rat, pig, rabbit	IHC : human breast cancer tissue,
Cited Species: human, mouse	IF/ICC : HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Flotillins are membrane-associated proteins that contain two homologous isoforms, flotillin 1 (FLOT1) and flotillin 2 (FLOT2). They are highly conserved and widely expressed proteins that commonly used as markers of lipid rafts. Flotillins are involved in various signaling pathways, cell adhesion, membrane trafficking and axonal growth.

Notable Publications

Author	Pubmed ID	Journal	Application
Jasjot Singh	36266287	Nat Commun	WB, CoIP
Xiangzhi Li	34930675	J Dermatol Sci	WB
Skye Marshall	36356007	Toxins (Basel)	WB

Storage

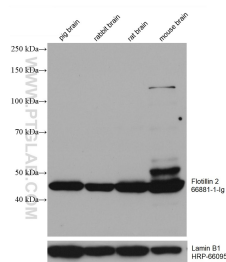
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

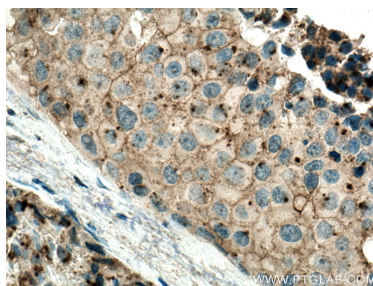
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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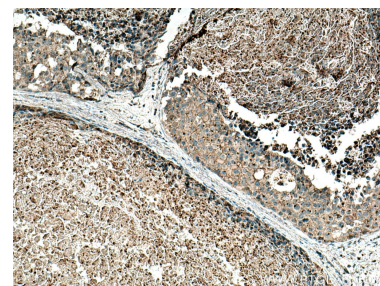
Selected Validation Data



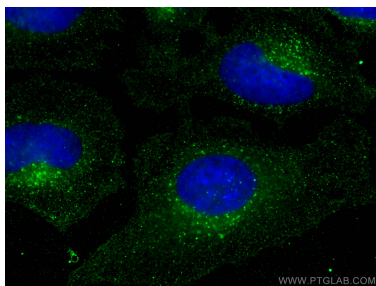
Various lysates were subjected to SDS PAGE followed by western blot with 66881-1-Ig (Flotillin 2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



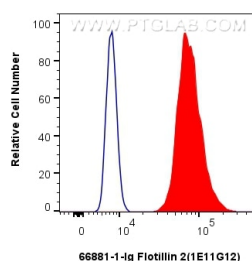
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66881-1-Ig (Flotillin 2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



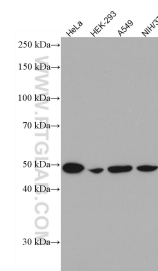
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66881-1-Ig (Flotillin 2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Flotillin 2 antibody (66881-1-Ig, Clone: 1E11G12) at dilution of 1:4000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



1x10⁶ HeLa cells were intracellularly stained with 0.4 ug Flotillin 2 Monoclonal antibody (66881-1-Ig, Clone:1E11G12) and CoraLite488-conjugated Donkey Anti-Mouse IgG(H+L)(SA00013-5)(red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Various lysates were subjected to SDS PAGE followed by western blot with 66881-1-Ig (Flotillin 2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.