

For Research Use Only

Flotillin 1 Recombinant antibody

Catalog Number: 83598-4-RR



Basic Information

Catalog Number: 83598-4-RR	GenBank Accession Number: BC001146	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10211	CloneNo.: 240582G6
Source: Rabbit	UNIPROT ID: O75955	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: flotillin 1	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Immunogen Catalog Number: AG7902	Calculated MW: 47 kDa	IHC 1:200-1:800
	Observed MW: 47 kDa	IF/ICC 1:250-1:1000

Applications

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

Species Specificity:
human, mouse, rat

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 : U-87 MG cells, LNCaP cells, Raji cells, mouse heart tissue, mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human stomach cancer tissue,

IF/ICC : HeLa cells,

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 commonly used as lipid raft markers. Flotillins are involved in various signaling pathways, cell adhesion, membrane trafficking and axonal growth.

Storage

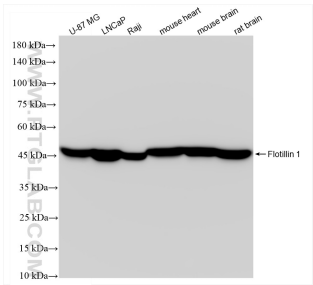
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

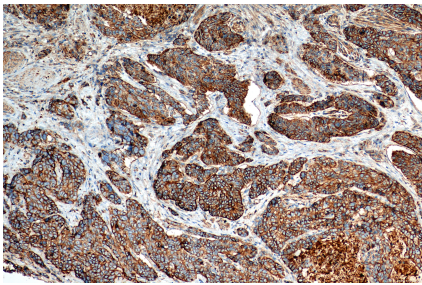
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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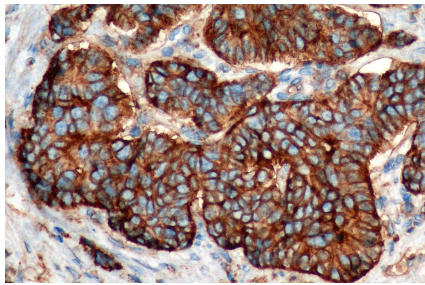
Selected Validation Data



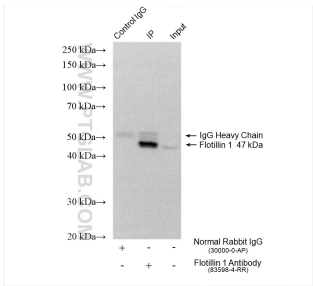
Various lysates were subjected to SDS PAGE followed by western blot with 83598-4-RR (Flotillin 1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



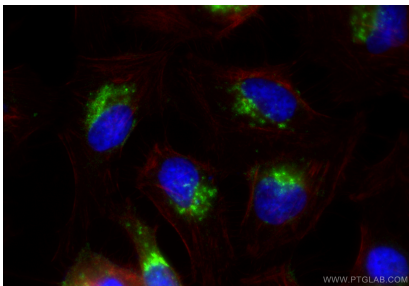
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83598-4-RR (Flotillin 1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



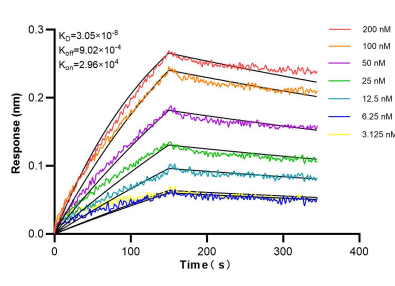
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83598-4-RR (Flotillin 1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Flotillin 1 (IP:83598-4-RR, 4ug; Detection:83598-4-RR 1:3000) with mouse brain tissue lysate 2400 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Flotillin 1 antibody (83598-4-RR, Clone: 240582G6) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bilayer interferometry (BLI) kinetic assays of 83598-4-RR against Human Flotillin 1 were performed. The affinity constant is 30.5 nM.