

## Flotillin 1 Rabbit mAb

Catalog No: #49861

Package Size: #49861-1 50ul #49861-2 100ul

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## Description

Product Name	Flotillin 1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB19-45
Purification	ProA affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	FLOT 1 antibody   FLOT1 antibody   FLOT1_HUMAN antibody   Flotillin-1 antibody   Flotillin1 antibody Integral membrane component of caveolae antibody   Reggie 2 antibody
Accession No.	Swiss-Prot#:O75955
Uniprot	O75955
GeneID	10211;
Calculated MW	47 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

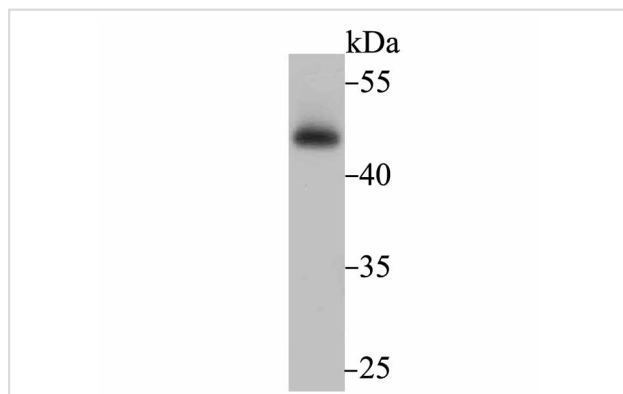
## Application Details

WB: 1:500-1:1,000

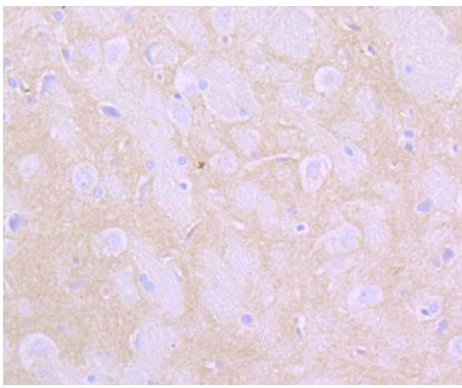
IHC: 1:50-1:100

FC: 1:50-1:100

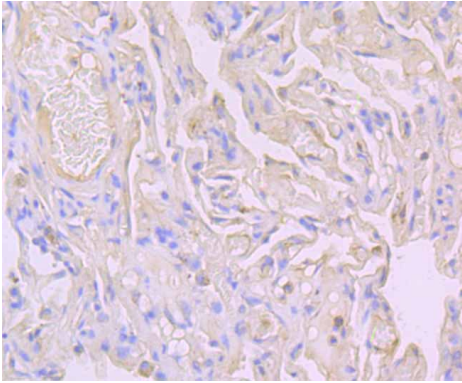
## Images



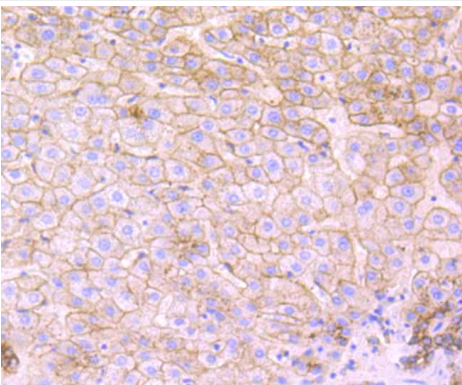
Western blot analysis of Flotillin 1 on PC-3M cell lysate using anti-Flotillin 1 antibody at 1/500 dilution.



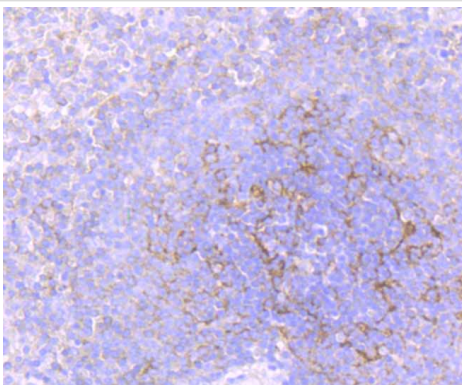
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Flotillin 1 antibody. Counter stained with hematoxylin.



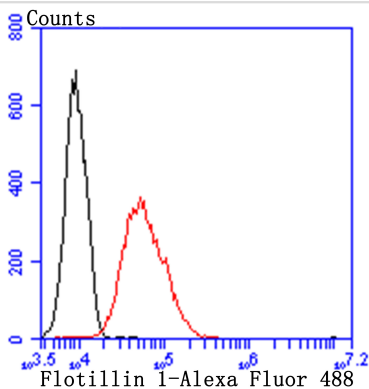
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-Flotillin 1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Flotillin 1 antibody. Counter stained with hematoxylin.

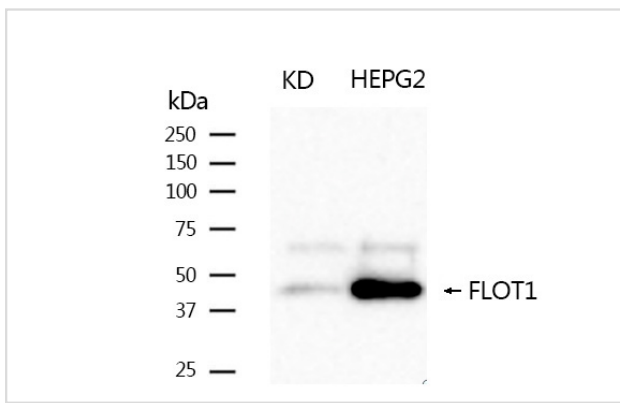


Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Flotillin 1 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of HUVEC cells with Flotillin 1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Western blotting analysis using Flotillin 1 Antibody #49861.



## Background

Lipid rafts are sphingolipid- and cholesterol-rich membrane microdomains that are insoluble in nonionic detergents. Lipid rafts are important for numerous cellular processes, including signal transduction, membrane trafficking and molecular sorting. Flotillins are lipid raft components in neurons and caveolae-associated proteins in A498 kidney cells. Flotillin-1 belongs to the band 7.2/stomatin protein family, whose members are characterized by the presence of a hydrophobic N-terminal region that is predicted to form a single, outside to inside, transmembrane domain. Flotillin-1 and -2 have complementary tissue distributions and their expression levels are independently regulated. At the cellular level, Flotillin-2 is ubiquitously expressed, whereas Flotillin-1 is expressed in A498 kidney cells, muscle cell lines and fibroblasts. Flotillins form a ternary complex with CAP and Cbl, directing the localization of the CAP-Cbl complex to a lipid raft subdomain of the plasma membrane. Association of ER-X with Flotillin localizes ER-X within plasma membrane caveolae and mediates rapid oestrogen activation of the MAP kinase cascade. The expression of the flotillins is also correlated to the progression of Alzheimer pathology.

**Note:** This product is for in vitro research use only