

Anti-Flotillin 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

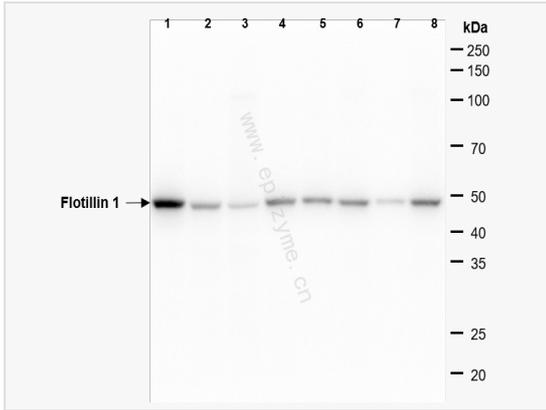
Catalog # R013842

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:5,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	39M15E57
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Flotillin 1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Flotillin 1 Rabbit mAb [39M15E57] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	FLOT 1, FLOT1, FLOT1_HUMAN, Flotillin-1, Flotillin1, Integral membrane component of caveolae, Reggie 2.
Calculated MW	Calculated MW: 48 kDa; Observed MW: 48 kDa
Uniprot ID	O75955
Gene ID	10211
Background	May act as a scaffolding protein within caveolar membranes, functionally participating in formation of caveolae or caveolae-like vesicles.
Cellular Location	Cell membrane. Membrane > caveola. Melanosome. Endosome. Membrane-associated protein of caveolae. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.



Western Blot - Flotillin 1 Rabbit mAb [39M15E57]

All lanes: R013842 at 1:5,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 5: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 6: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 7: Rat pancreas whole tissue lysates

Lane 8: Balb/c mouse kidney whole tissue lysates

Lane 9: Balb/c mouse brain whole tissue lysates

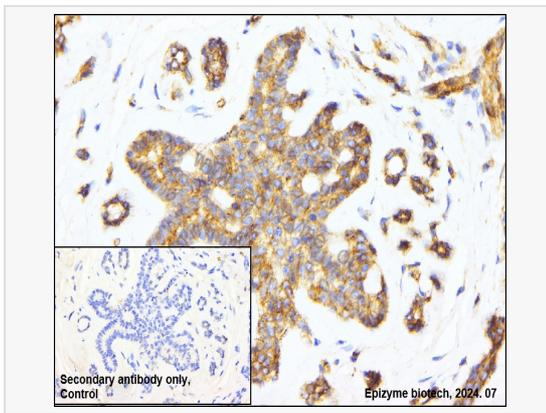
Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 48 kDa

Observed band size: 48 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Flotillin 1 Rabbit mAb [39M15E57]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013842 at 1:200 dilution

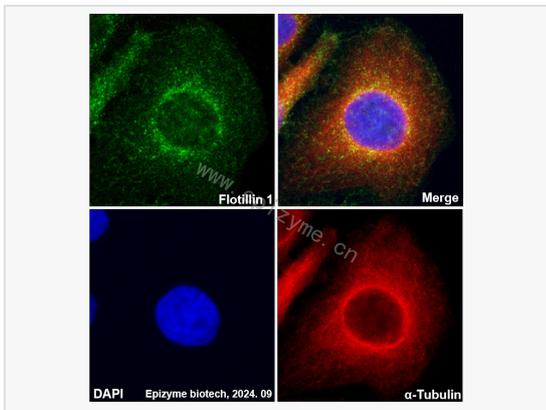
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Flotillin 1 Rabbit mAb [39M15E57]

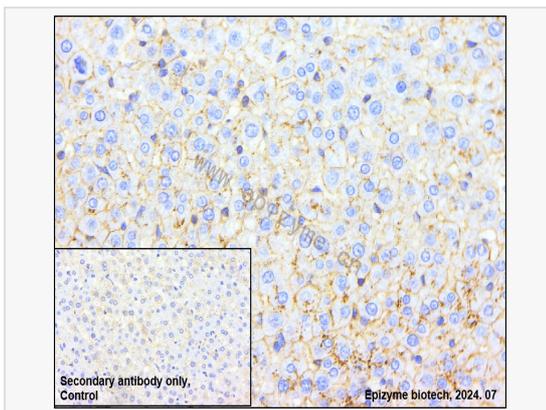
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013842 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Flotillin 1 Rabbit mAb [39M15E57]

Sample: Paraformaldehyde-fixed, paraffin embedded rat liver tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013842 at 1:200 dilution

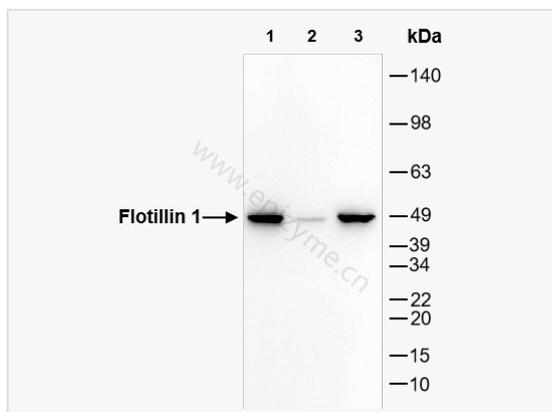
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Western Blot - Anti-Flotillin 1 Rabbit mAb [39M15E57]

All lanes: R013842 at 1:5,000 dilution

Lane 1: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 48 kDa

Observed band size: 48 kDa

Developed using the ECL technique (Cat. No. SQ201).