

Anti-Caveolin 2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

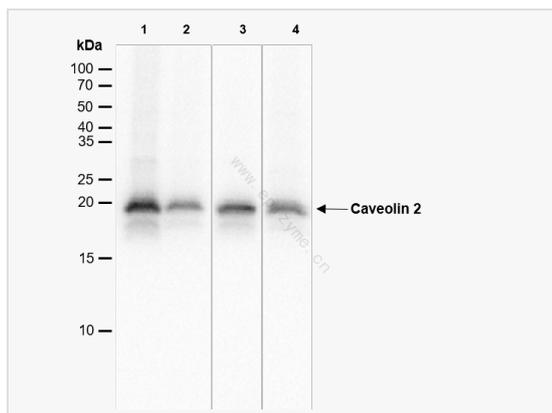
Catalog # R011820

Product Information

Application	IF (Cell)/ICC, IHC-P/IF (Tissue-P), ELISA, WB
Reactivity	Human
Dilution	WB 1:1,000~1:3,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	18K76M38
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Caveolin-2
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-Caveolin 2 Rabbit mAb [18K76M38] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CAV2, Caveolae protein 20 Kd, Caveolin 2, Caveolin 2 isoform a and b, Caveolin-2.
Calculated MW	Calculated MW: 18 kDa; Observed MW: 18 kDa
Uniprot ID	P51636
Gene ID	858
Background	May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity. Acts as an accessory protein in conjunction with CAV1 in targeting to lipid rafts and driving caveolae formation.



Western Blot - Anti-Caveolin 2 Rabbit mAb [18K76M38]

All lanes: R011820 at 1:3,000 dilution

Lane 1: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 2: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 3: SCC-9 (human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 4: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

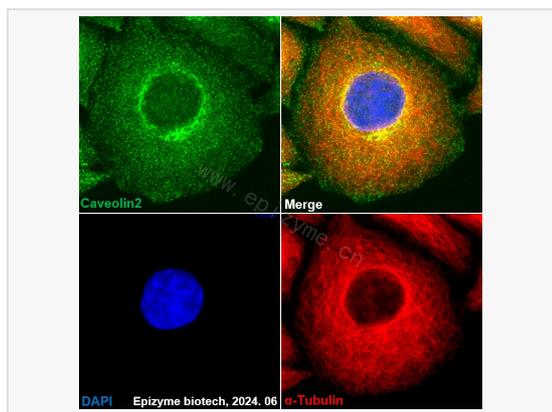
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 18 kDa

Observed band size: 18 kDa

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



Immunofluorescence - Anti-Caveolin 2 Rabbit mAb [18K76M38]

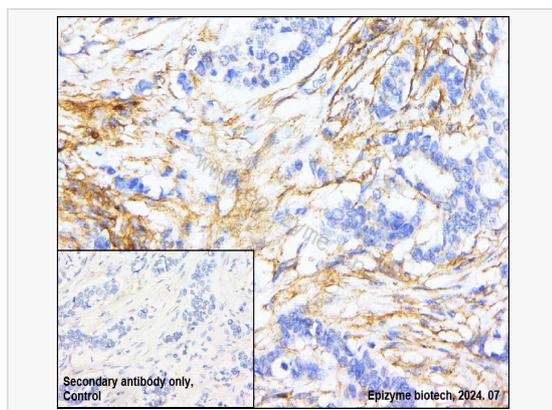
Sample: HeLa cells

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: R011820 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-Caveolin 2 Rabbit mAb [18K76M38]

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: R011820 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.