Product datasheet

Anti-Caveolin-2/CAV2 Antibody (Clone#FD-3)

Catalog Number: *BM3916*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-Caveolin-2/CAV2 Antibody (Clone#FD-3)
Gene Name	CAV2
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Caveolin-2
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	22 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:20

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Caveolin-2 is a protein related to caveolin-1 which is derived caveolin-enriched membranes. CAV2 and CAV1 are similar in most respects and they differ in their functional interactions with heterotrimeric G proteins. Caveolin-1 and caveolin-2 are expressed in neuronal cells. Caveolin-2 was upregulated in response to neuronal cell injury. The CAV2 gene is mapped to 7q31.1-q31.2. The CAV1 gene contains 3 exons, while the human CAV2 gene contains 2 exons. The boundary of the last exon of CAV1 and CAV2 are analogous, suggesting that they arose through gene duplication. The genes encoding murine caveolin-1 and -2 are colocalized within the A2 region of mouse chromosome 6.

Selected Validation Data

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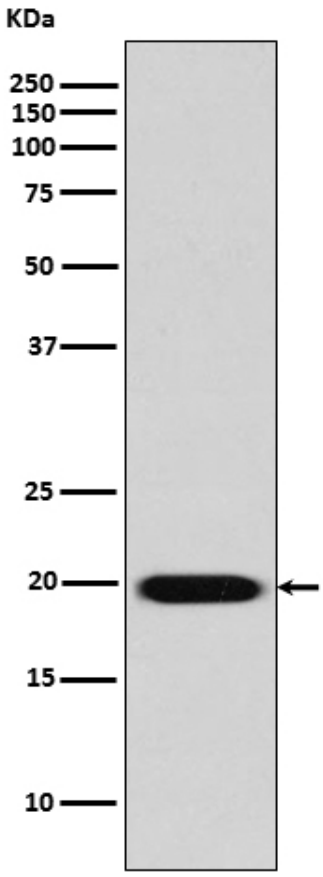
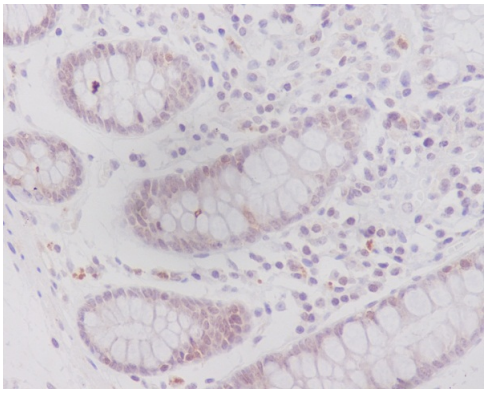


Western blot analysis of Caveolin 2 expression in HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon, using Caveolin-2 Antibody.