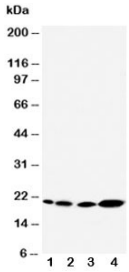
Caveolin-2 Antibody (R30617)

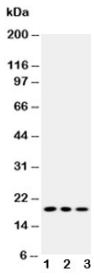
Catalog No.	Formulation	Size
R30617	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

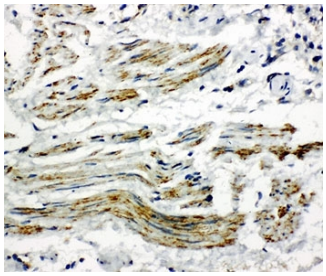
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P51636
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This Caveolin-2 antibody is available for research use only.



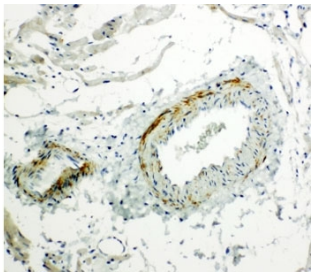
Western blot testing of Caveolin-2 antibody and Lane 1: rat heart; 2: rat lung; 3: HeLa; 4: A431 cell lysate. Predicted molecular weight ~18 kDa.



Western blot testing of Caveolin-2 antibody and Lane 1: HeLa; 2: SMMC-7721; 3: COLO320 cell lysate. Predicted molecular weight ~18 kDa



IHC-P: Caveolin-2 antibody testing of human lung cancer tissue



IHC-P: Caveolin-2 antibody testing of rat heart tissue

Description

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. Both 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 both 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Caveolin-2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 1-17 (MGLETEKADVQLFMDDD-human) were used as the immunogen for this Caveolin-2 antibody.

Storage

After reconstitution, the Caveolin-2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.