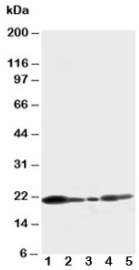
Caveolin-1 Antibody (R30587)

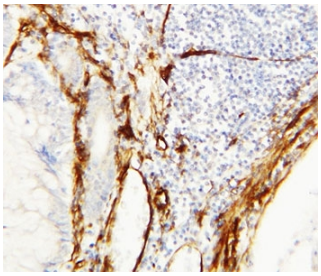
Catalog No.	Formulation	Size
R30587	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Q03135
Applications	0.5-1ug/ml0.5-1ug/ml0.5-1ug/ml0.5-1ug/ml
Limitations	This Caveolin-1 antibody is available for research use only.



Western blot testing of Caveolin-1 antibody and Lane 1: U87; 2: HeLa; 3: MCF-7; 4: A549; 5: HT1080 cell lysate. Predicted molecular weight ~21/17kDa (alpha/beta isoforms)



IHC-P: Caveolin-1 antibody testing of human breast cancer tissue

Description

CAV1, Caveolin-1, is a protein that in humans is encoded by the CAV1 gene. The CAV1 gene is mapped to 7q31.2. The scaffolding protein encoded by this gene is the main component of the caveolae plasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 MAP kinase cascade. CAV1 and CAV2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. By using alternative initiation codons in the same reading frame, two isoforms(alpha and beta) are encoded by a single transcript from this gene.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Caveolin-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of the human protein (GKIFSNVRINLQKEI) was used as the immunogen for this Caveolin-1 antibody.

Storage

After reconstitution, the Caveolin-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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