

Rabbit anti-Human Caveolin-1 Polyclonal Antibody | anti-CAV1 antibody

Caveolin-1 Antibody

CATALOG # AAA305427	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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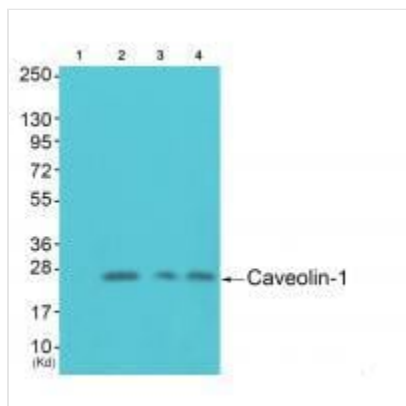
PRODUCT SYNONYMS

Caveolin-1; Polyclonal Antibody; Caveolin-1 Antibody; CAV; CAV1; MSTP085; VIP21; caveolae protein; anti-CAV1 antibody

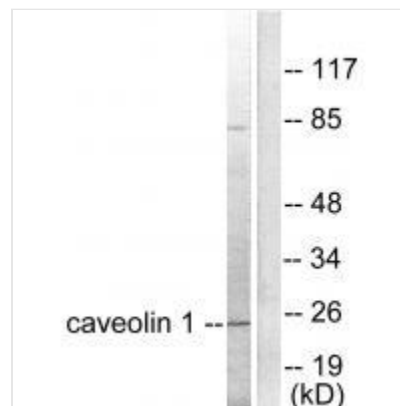
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total Caveolin-1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	178
Applicable Applications for anti-CAV1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human Caveolin-1.
Target Name	Caveolin-1
Preparation and Storage	Store at -20 degree C

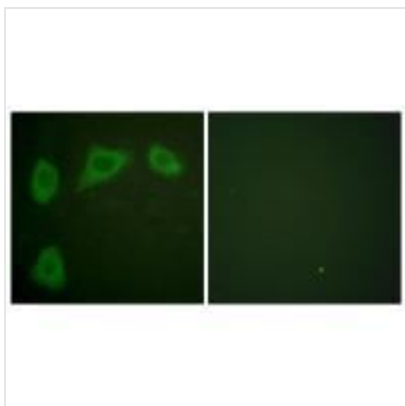
IMAGES


WB (Western Blot)

Western blot analysis of extracts from HuvEc cells (Lane 2), colo cells (Lane 3) and JK cells (Lane 4), using Caveolin-1 antibody. The lane on the left is treated with synthesized peptide.


WB (Western Blot)

Western blot analysis of extracts from HuvEc cells, using Caveolin-1 antibody.



IF (Immunofluorescence)

Immunofluorescence analysis of HuvEc cells, using Caveolin-1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CAV1 antibody	May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity By similarity. Involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. Its binding to DPP4 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Recruits CTNNB1 to caveolar membranes and may regulate CTNNB1-mediated signaling through the Wnt pathway.Wei Zhang, J. Biol. Chem., Jun 2000; 275: 20717.Rosalia Mora, J. Biol. Chem., Sep 1999; 274: 25708.Isabella Parolini, J. Biol. Chem., Sep 1999; 274: 25718.Phuong U. Le, J. Biol. Chem., Jan 2002; 277: 3371 - 3379.
Product Categories/Family for anti-CAV1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	15451856
NCBI GeneID	857
NCBI Accession #	NP_001744.2
NCBI GenBank Nucleotide #	NM_001753.4
UniProt Accession #	Q03135 ; Q9UGP1 ; Q9UNG1 ; Q9UQH6
Molecular Weight	17,023 Da
NCBI Official Full Name	caveolin-1 isoform alpha
NCBI Official Synonym Full Names	caveolin 1, caveolae protein, 22kDa
NCBI Official Symbol	CAV1
NCBI Official Synonym Symbols	CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085
NCBI Protein Information	caveolin-1
UniProt Protein Name	Caveolin-1
UniProt Gene Name	CAV1
UniProt Synonym Gene Names	CAV
UniProt Entry Name	CAV1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

