

Rabbit Caveolin-1 Polyclonal Antibody | anti-CAV1 antibody

Caveolin-1 (N-terminal region) Antibody

CATALOG # AAA71608	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Chicken	APPLICATIONS Immunocytochemistry, ELISA, Western Blot
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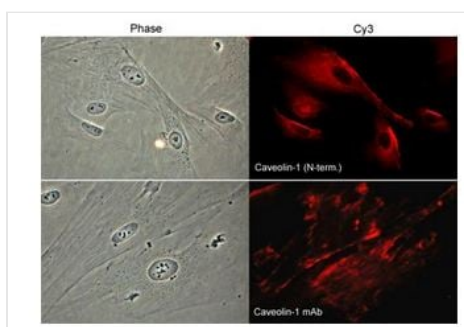
PRODUCT SYNONYMS

Caveolin-1; Polyclonal Antibody; Caveolin-1 (N-terminal region) Antibody; Caveolin-1 (N-terminal region); Caveolin NT; anti-CAV1 antibody

PRODUCT SPECIFICATIONS

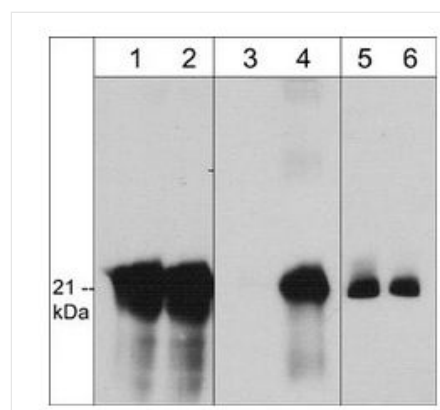
Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken
Clonality	Polyclonal
Specificity	This antibody detects a 21kDa* protein corresponding to the apparent molecular mass of caveolin-1 on SDS-PAGE immunoblots of human A431 cells and rabbit spleen fibroblasts.
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-CAV1 antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	The antibody was generated from a recombinant protein that includes amino acids in the N-terminal region of human Caveolin-1.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of caveolin-1 in paraformaldehyde-fixed and NP-40-permeabilized rabbit spleen fibroblasts. The cells were labeled with rabbit polyclonal Caveolin-1 (N-terminal region) and mouse monoclonal Caveolin-1 antibodies, and detected using appropriate secondary antibodies conjugated to Cy3. Phase contrast images (left) and immunofluorescent images (right).



WB (Western Blot)

Western blot image of human A431 cells unstimulated (lanes 1, 3, & 5) or stimulated with pervanadate (1mM) for 30 min (lanes 2, 4, & 6). The blots were probed with rabbit polyclonal caveolin-1 (N-term.) (lanes 1 & 2), mouse monoclonal caveolin-1 (Tyr-14) (lanes 3 & 4) or mouse monoclonal caveolin-1 (lanes 5 & 6).

ADDITIONAL INFORMATION

Related Product Information for anti-CAV1 antibody	Caveolins are the primary structural components of the plasma membrane microdomains, caveolae. Three members of the caveolin family (caveolin-1, -2, and -3) have been identified, and each has distinct expression patterns. Caveolins are involved in diverse biological functions, including vesicular trafficking, cholesterol homeostasis, cell adhesion and apoptosis. Caveolins can interact with various signaling molecules, including G-proteins, receptor tyrosine kinases, PKCs, and Src family kinases. Phosphorylation at Tyr-14 is essential for caveolin association with SH2 or PTB domain-containing adaptor proteins, while phosphorylation at Ser-80 regulates caveolin binding to the ER membrane and entry into the secretory pathway.
References	Schlegel, A. et al. (2001) J. Biol. Chem. 276:4398. Nomura, R. et al. (1999) Mol. Biol. Cell 10:975. Smart, E. J. et al. (1999) Mol. Cell. Biol. 19:7289. Okamoto, T. et al. (1998) J. Biol. Chem. 273:5419.

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	20,472 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; BSCL3; VIP21; MSTP085
NCBI Protein Information	caveolin-1; cell growth-inhibiting protein 32
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/caveolin-1-antibody-immunocytochemistry-western-blot-elisa/71608>