

Rabbit Caveolin-1 Polyclonal Antibody | anti-CAV1 antibody

Caveolin-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285865	Rabbit	Human, mouse, rat	Immunofluorescence, ELISA, Western Blot

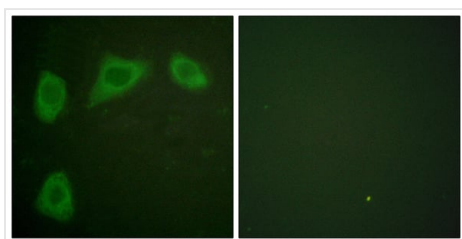
PRODUCT SYNONYMS

Caveolin-1; Polyclonal Antibody; Caveolin-1 Antibody; CAV1; CAV; anti-CAV1 antibody

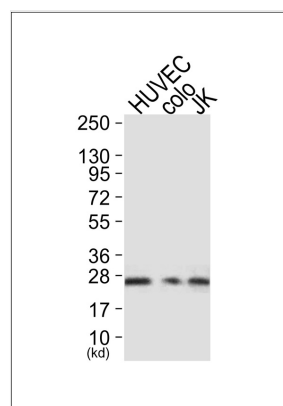
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
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.
Sequence Positions	150-178
Sequence Length	178
Applicable Applications for anti-CAV1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

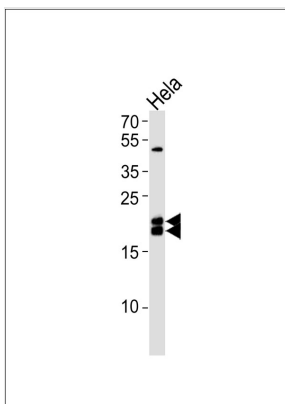
IMAGES


IF (Immunofluorescence)

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


WB (Western Blot)

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



WB (Western Blot)

Western blot analysis of lysate from HeLa cell line, using Caveolin-1 Antibody (C0139). C0139 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.

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.
Product Categories/Family for anti-CAV1 antibody	Cancer ; Cardiovascular ; Metabolism ; Signal transduction
References	Glenney J.R. Jr., et al. FEBS Lett. 314:45-48(1992). Hurlstone A.F., et al. Oncogene 18:1881-1890(1999). Engelman J.A., et al. FEBS Lett. 448:221-230(1999). Kalline N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases. Vainonen J.P., et al. Biochem. Biophys. Res. Commun. 320:480-486(2004).

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	20472
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

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-immunofluorescence-western-blot-elisa/285865>