

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

Rabbit anti-CAV1 Antibody, Affinity Purified

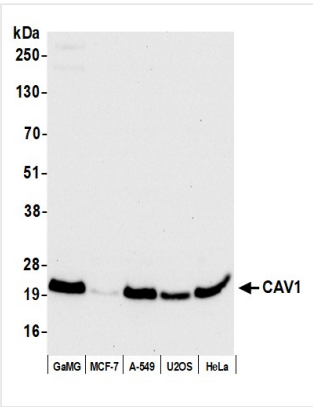
CATALOG # AAA213490	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

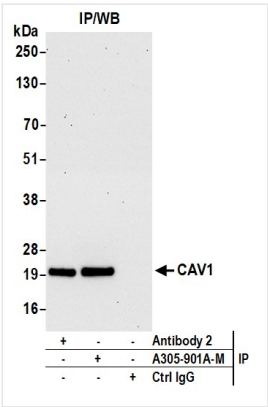
CAV1; Polyclonal Antibody; Rabbit anti-CAV1 Antibody; Affinity Purified; VIP21; PPH3; MSTP085; LCCNS; CGL3; cell growth-inhibiting protein 32; caveolin-1; BSCL3; caveolin 1; caveolae protein; 22kDa; Caveolin-1; anti-CAV1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CAV1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse, Rat, Sheep, Bovine, Horse, Rabbit, Pig, Cat, Orangutan, Gorilla, Chimpanzee
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)
Detection of human CAV1 by western blot. Samples: Whole cell lysate (50 ug) from GaMG, MCF-7, A-549, U2OS, and HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CAV1 antibody (lot AAA213490 lot 1) used for WB at 0.04 mg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)
Detection of human CAV1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from GaMG cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CAV1 antibody (AAA213490 lot 1) used for IP at 1 ug per reaction. CAV1 was also immunoprecipitated by a second antibody against a different epitope of CAV1 (Antibody 2). For blotting immunoprecipitated CAV1, AAA213490 was used at 0.04 mg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-CAV1 antibody	CAV1 acts as a scaffolding protein within caveolar membranes and forms a stable heterooligomeric complex with CAV2 that targets to lipid rafts and drives caveolae formation. CAV1 also mediates the recruitment of CAVIN proteins to the caveolae and interacts directly with G-protein alpha subunits and can functionally regulate their activity. CAV1 is also thought to be involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation, as its binding to DPP4 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q03135].
Product Categories/Family for anti-CAV1 antibody	Primary Antibodies

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/cav1-antibody-immunoprecipitation-western-blot-elisa/213490>