

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

Rabbit Polyclonal to Human CAV1 / Caveolin 1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50661	Rabbit	Human, Monkey, Dog, Guinea pig Predicted Reactivity: Mouse, Rat, Bat, Bovine, Hamster, Horse, Pig, Rabbit, Sheep	Immunohistochemistry

PRODUCT SYNONYMS

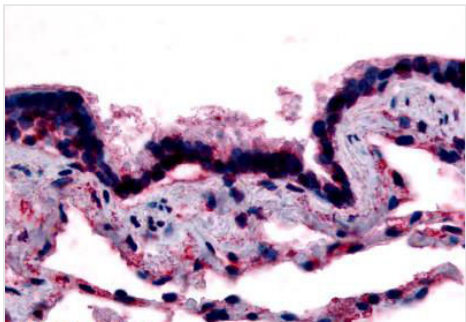
CAV1 / Caveolin 1; Polyclonal Antibody; Rabbit Polyclonal to Human CAV1 / Caveolin 1; Anti-CAV1 / Caveolin 1 Antibody (N-Terminus) IHC-plus; CAV1; Caveolin-1; CGL3; CAV; MSTP085; VIP21; BSCL3; Human CAV1; Caveolin 1; anti-CAV1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Dog, Guinea pig Predicted Reactivity: Mouse, Rat, Bat, Bovine, Hamster, Horse, Pig, Rabbit, Sheep
Clonality	Polyclonal
Specificity	Human CAV1 / Caveolin. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	178
Applicable Applications for anti-CAV1 antibody	IHC (Immunohistochemistry)
Immunogen Type	Synthetic peptide
Immunogen	CAV1 / Caveolin 1 antibody was raised against synthetic 16 amino acid peptide from N-terminus of human CAV1 / Caveolin. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Baboon, Monkey, Marmoset, Dog, Guinea pig (100%); Galago, Mouse, Rat, Ferret, Sheep, Bovine, Cat, Bat, Hamster, Elephant, Panda, Horse, Rabbit, Pig, Armadillo (94%); Opossum, Platypus (88%); Turkey, Chicken (81%).
Epitope	N-Terminus
Immunogen Species	CAV1/Caveolin 1 antibody was raised against Human.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store undiluted at -20°C or below for up to 1 month. Avoid freeze thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-CAV1 / Caveolin antibody IHC of human respiratory epithelium, bronchial smooth muscle, and alveoli. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-CAV1 antibody	Caveolin 1 (CAV1) is the main component of the caveolae plasma membranes found in most cell types. Caveolin 1 functions as a membrane adaptor to link integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. CAV1 may also be a tumor suppressor gene and a negative regulator of the Ras-p42/44 MAP kinase cascade.
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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
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; 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://stage.aaabiotech.com/polyclonal/cav1-caveolin-1-antibody-immunohistochemistry-elisa/50661>