Rabbit CAV1 Polyclonal Antibody | anti-CAV1 antibody

CAV1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA296693	**Rabbit**	**HumanPredicted Reactivity: Bovine, Horse, Mouse, Pig, Rabbit, Rat, Sheep**	**Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay**

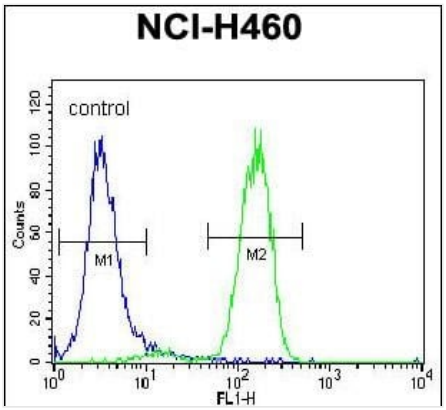
PRODUCT SYNONYMS

CAV1; Polyclonal Antibody; CAV1 Antibody (N-term); Caveolin-1; CAV; anti-CAV1 antibody

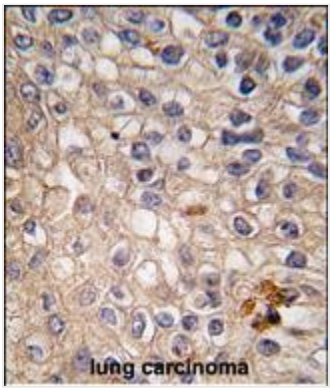
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Bovine, Horse, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This CAV1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-30 amino acids from the N-terminal region of human CAV1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Applicable Applications for anti-CAV1 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Antigen Region	2-30
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

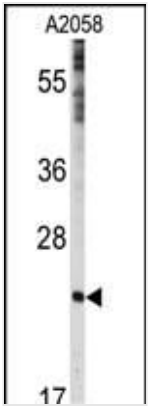
IMAGES



FCM/FACS (Flow Cytometry)
Dilution: FC: 1:10~50CAV1 Antibody (N-term) (Cat. #AAA296693) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Dilution: IHC-P 1:50~100Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with CAV1 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Dilution: WB 1:1000Western blot analysis of anti-CAV1 Antibody (N-term) (Cat.#AAA296693) in A2058 cell line lysates (35ug/lane). CAV1(N-term)(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CAV1 antibody	The scaffolding protein CAV1 is the main component of the caveolae plasma membranes found in most cell types. This protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The CAV1 gene is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 MAP kinase cascade.
Product Categories/Family for anti-CAV1 antibody	Primary Antibodies; Cancer; Cardiovascular; Metabolism; Signal Transduction
References	Smith, J.L., J. Virol. 82 (19), 9505-9512 (2008)Zhong, Y., J. Neurosci. 28 (31), 7788-7796 (2008)Di Vizio, D., Cell Cycle 7 (14), 2257-2267 (2008)Lee, H., J. Biol. Chem. 276 (37), 35150-35158 (2001)Schlegel, A., J. Biol. Chem. 276 (6), 4398-4408 (2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	15451856
NCBI GeneID	857
NCBI Accession #	NP_001744.2
NCBI GenBank Nucleotide #	NM_001753.4
UniProt Accession #	Q03135; P41350; Q09YN6; Q6RVA9; P49817; P79132; Q2QLB0; Q6B3Y2
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://stage.aaabiotech.com/polyclonal/cav1-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/296693