

Rabbit CAV3 Polyclonal Antibody | anti-CAV3 antibody

CAV3 antibody - N-terminal region

CATALOG # AAA201699	HOST Rabbit	REACTIVITY Cow, Human, Mouse, Pig, Rat	APPLICATIONS Western Blot, Immunohistochemistry
-------------------------------	-----------------------	--	---

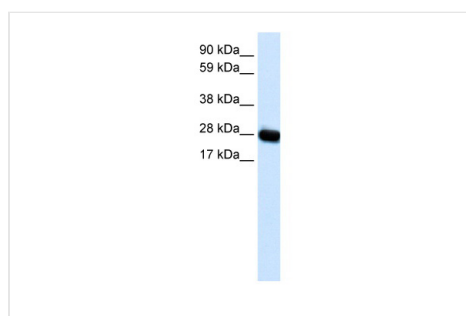
PRODUCT SYNONYMS

CAV3; Polyclonal Antibody; CAV3 antibody - N-terminal region; anti-CAV3 antibody

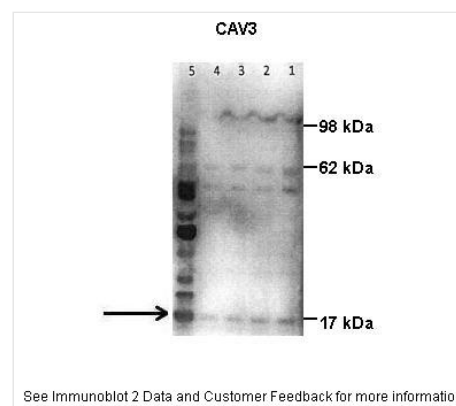
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Human, Mouse, Pig, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MM AEEHTDLEAQ IVKDIHCKEI DLVNRDPKNI NEDIVKVDFF DVIAEPVG
Sequence Length	151
Applicable Applications for anti-CAV3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Human: 100%; Mouse: 84%; Pig: 92%; Rat: 84%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CAV3
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

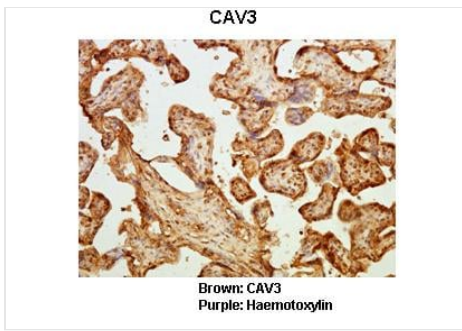
IMAGES


WB (Western Blot)

WB Suggested Anti-CAV3 Antibody Titration: 0.2-1 ug/ml Positive Control: Human muscle


WB (Western Blot)

Lanes: Lane1: 50 ug human placental tissue lysate Lane2: 40 ug human placental tissue lysate Lane3: 30 ug human placental tissue lysate Lane4: 20 ug human placental tissue lysate Lane5: 20 ug human myometrial tissue lysate Primary Antibody Dilution: 1:500 Secondary Antibody: Goat anti-rabbit HRP Secondary Antibody Dilution: 1:10000 Gene Name: Caveolin 3 Submitted by: Hiten Mistry, Ania Czajka and Marta Hentschke Ribeiro, King's College London



IHC (Immunohistochemistry)

Sample Type :Human placental tissue Primary Antibody Dilution :1:50Secondary Antibody :Goat anti rabbit-HRP Secondary Antibody Dilution :1:10,000Color/Signal Descriptions :Brown: CAV3Purple: HaematoxylinGene Name :CAV3Submitted by :Dr. Hiten D. Mistry and Anna Czajka, King's College London; Lesia Kurlak, University of Nottingham

ADDITIONAL INFORMATION

Related Product Information for anti-CAV3 antibody	This is a rabbit polyclonal antibody against CAV3. It was validated on Western Blot using a cell lysate as a positive control. Target Description: CAV3 is a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with inclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA sites and contain two potential translation initiation sites.
Product Categories/Family for anti-CAV3 antibody	Polyclonal; Membrane Protein; Drugs and Drug Metabolism; Cell Biology; Disease Related; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502589
NCBI GeneID	859
NCBI Accession #	NP_001225
NCBI GenBank Nucleotide #	NM_001234
UniProt Accession #	P56539
Molecular Weight	17kDa
NCBI Official Full Name	caveolin-3
NCBI Official Synonym Full Names	caveolin 3
NCBI Official Symbol	CAV3
NCBI Official Synonym Symbols	LQT9; MPDT; RMD2; VIP21; LGMD1C; VIP-21
NCBI Protein Information	caveolin-3
UniProt Protein Name	Caveolin-3
UniProt Gene Name	CAV3
UniProt Entry Name	CAV3_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.

