



Rabbit Anti-Human CAV1 monoclonal antibody, clone TA13-12 (CABT-L590)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Caveolin-1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TA13-12
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	20 kDa
Cellular Localization	Golgi apparatus membrane, Cell membrane, Membrane.
Positive Control	A431, A549, MCF-7, NIH/3T3, mouse liver tissue, human lung tissue, mouse heart tissue, human liver tissue, mouse lung tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Caveolae (also known as plasmalemmal vesicles) are 50-100 nM flask-shaped membranes that represent a subcompartment of the plasma membrane. On the basis of morphological studies, caveolae have been implicated to function in the transcytosis of various macromolecules (including LDL) across capillary endothelial cells, uptake of small molecules via potocytosis and the compartmentalization of certain signaling molecules including G protein-coupled receptors. Three proteins, caveolin-1, caveolin-2 and caveolin-3, have been identified as principal components of caveolae. Two forms of caveolin-1, designated alpha and beta, share a distinct but overlapping cellular distribution and differ by an amino terminal 31 amino acid sequence which is absent from the beta isoform. Caveolin-1 shares 31% identity with caveolin-2 and 65% identity with caveolin-3 at the amino acid level. Functionally, the three proteins differ in their interactions with heterotrimeric G protein isoforms.
Keywords	BSCL3;CAV;CAV1;CAV1_HUMAN;caveolae protein, 22 kD;caveolin 1 alpha isoform;caveolin 1 beta isoform;Caveolin 1 caveolae protein 22kDa;Caveolin-1;Caveolin1;cell growth-inhibiting protein 32;CGL3;LCCNS;MSTP085;OTTHUMP00000025031;PPH3;VIP 21;VIP21 antibody

GENE INFORMATION

Entrez Gene ID	857
UniProt ID	A0A024R757