



# 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

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

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

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## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	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

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## GENE INFORMATION

Entrez Gene ID	<a href="#">857</a>
UniProt ID	<a href="#">A0A024R757</a>

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