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anti-Caveolin 2 antibody (pTyr27)



Image



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Overview

Quantity:	100 μL
Target:	Caveolin 2 (CAV2)
Binding Specificity:	pTyr27
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caveolin 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

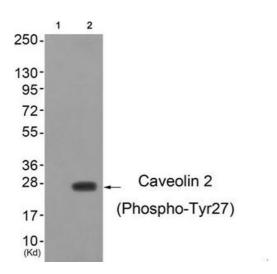
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 27 (L-E-Y(p)-A-D) derived from Human Caveolin 2.	
Isotype:	IgG	
Cross-Reactivity:	Human	
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi	

Target Details

Target:	Caveolin 2 (CAV2)
Alternative Name:	CAV2 (CAV2 Products)

Target Details

Background:	Background:
	The protein encoded by this gene is a major component of the inner surface of caveolae, small
	invaginations of the plasma membrane, and is involved in essential cellular functions, including
	signal transduction, lipid metabolism, cellular growth control and apoptosis. This protein may
	function as a tumor suppressor. CAV1 and CAV2 are located next to each other on
	chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex.
	Two transcript variants encoding distinct isoforms have been identified for this gene. By using
	alternative initiation codons in the same reading frame, two isoforms (alpha and beta) are
	encoded by one transcript.
	Scherer P.E., Proc. Natl. Acad. Sci. U.S.A. 93:131-135(1996).
	Scherer P.E., J. Biol. Chem. 272:29337-29346(1997).
	Engelman J.A., FEBS Lett. 448:221-230(1999).
	Aliases: CAV antibody, CAV2 antibody, CAV2_HUMAN antibody, Caveolae protein 20 kD
	antibody, Caveolin 2 antibody, Caveolin 2 isoform a and b antibody, Caveolin-2 antibody,
	MGC12294 antibody, OTTHUMP00000025032 antibody, OTTHUMP00000195982 antibody
UniProt:	P51636
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Skeletal Muscle Fiber Development
Application Details	
Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl,
	0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from cos-7 cells (Lane 2), using Caveolin 2 (Phospho-Tyr27) Antibody. The lane on the left is treated with antigen-specific peptide.