



# Caveolin-2 (phospho Tyr27) rabbit pAb

Cat No.:ES7828

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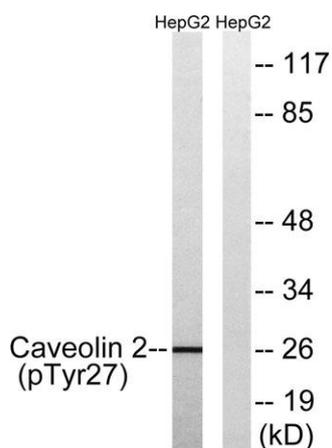
## Overview

<b>Product Name</b>	Caveolin-2 (phospho Tyr27) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Caveolin 2 around the phosphorylation site of Tyr27. AA range:12-61
<b>Specificity</b>	Phospho-Caveolin-2 (Y27) Polyclonal Antibody detects endogenous levels of Caveolin-2 protein only when phosphorylated at Y27.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Caveolin-2
<b>Gene Name</b>	CAV2
<b>Cellular localization</b>	Nucleus. Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein. Cell membrane; Peripheral membrane protein. Membrane, caveola; Peripheral membrane protein. Potential hairpin-like structure in the membrane. Membrane protein of caveolae. Tyr-19-p
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	26kD
<b>Human Gene ID</b>	858
<b>Human Swiss-Prot Number</b>	P51636
<b>Alternative Names</b>	CAV2; Caveolin-2
<b>Background</b>	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. This gene and related family member (CAV1) are located next to each other on chromosome 7, and express colocalizing proteins that form a stable hetero-oligomeric complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Additional isoforms resulting from the use of alternate in-frame translation initiation codons have also been described, and shown to have preferential localization in the cell (PMID:11238462). [provided by RefSeq, May 2011],



Western blot analysis of lysates from HepG2 cells treated with EGF 200ng/ml 5', using Caveolin 2 (Phospho-Tyr27) Antibody. The lane on the right is blocked with the phospho peptide.

