

**Product Name: Caveolin-2 (phospho Tyr27) Rabbit Polyclonal Antibody**  
**Catalog #: APRab04390**

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## Summary

<b>Production Name</b>	Caveolin-2 (phospho Tyr27) Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phospho Antibody
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	CAV2
<b>Alternative Names</b>	CAV2; Caveolin-2
<b>Gene ID</b>	858.0
<b>SwissProt ID</b>	P51636.The antiserum was produced against synthesized peptide derived from human Caveolin 2 around the phosphorylation site of Tyr27. AA range:12-61

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000. ELISA: 1:10000.
<b>Molecular Weight</b>	26kD

## Background

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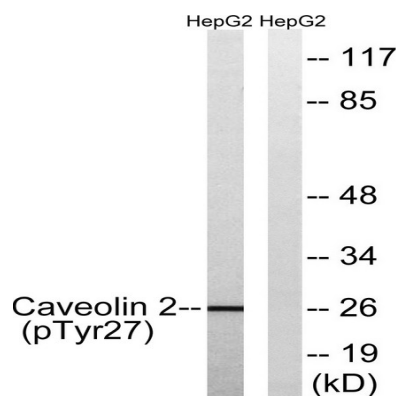
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The protein encoded by this gene is a major component of the inner surface of caveolae, small invaginations of the plasma membrane, and is involved in essential cellular functions, including signal transduction, lipid metabolism, cellular growth control 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],function:May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity.,function:May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity. Caveolin-2 may function as an accessory protein in conjunction with caveolin-1.,online information:Caveolin entry,similarity:Belongs to the caveolin family.,subcellular location:Potential hairpin-like structure in the membrane. Membrane protein of caveolae.,subunit:Homodimer. Caveolin-1 and -2 colocalize and form a stable hetero-oligomeric complex.,tissue specificity:Expressed in endothelial cells, smooth muscle cells, skeletal myoblasts and fibroblasts.,

## Research Area

Focal adhesion;

## Image Data



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.

## Note

For research use only.