



# Caveolin-1 (phospho Tyr14) rabbit pAb

Cat No.:ES1279

For research use only

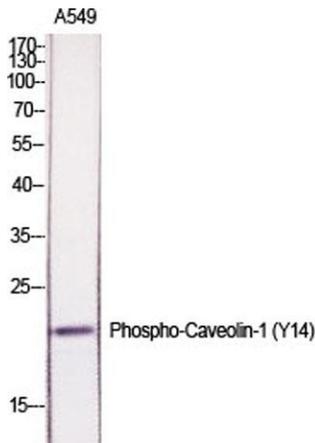
## Overview

<b>Product Name</b>	Caveolin-1 (phospho Tyr14) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Caveolin-1 around the phosphorylation site of Tyr14. AA range:5-54
<b>Specificity</b>	Phospho-Caveolin-1 (Y14) Polyclonal Antibody detects endogenous levels of Caveolin-1 protein only when phosphorylated at Y14.
<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-1
<b>Gene Name</b>	CAV1
<b>Cellular localization</b>	Golgi apparatus membrane; Peripheral membrane protein. Cell membrane; Peripheral membrane protein. Membrane, caveola ; Peripheral membrane protein. Membrane raft . Golgi apparatus, trans-Golgi network . Colocalized with DPP4 in membrane rafts. Potential h
<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>	20kD
<b>Human Gene ID</b>	857
<b>Human Swiss-Prot Number</b>	Q03135
<b>Alternative Names</b>	CAV1; CAV; Caveolin-1
<b>Background</b>	The scaffolding protein encoded by this gene is the





main component of the caveolae plasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 mitogen-activated kinase cascade. Caveolin 1 and caveolin 2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in this gene have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1.[provided by RefSeq, Mar 2010],



Western Blot analysis of various cells using Phospho-Caveolin-1 (Y14) Polyclonal Antibody diluted at 1:1000

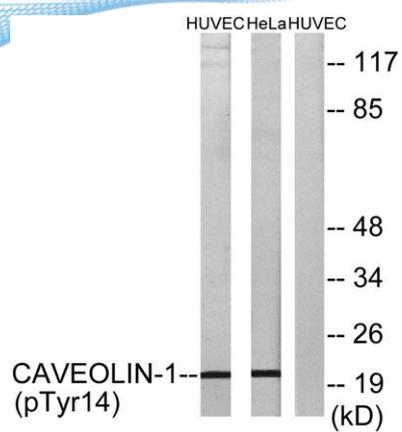


Western Blot analysis of HeLa cells using Phospho-Caveolin-1 (Y14) Polyclonal Antibody diluted at 1:1000





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Western blot analysis of lysates from HUVEC cells treated with PMA 125ng/ml 30' and HeLa cells treated with LPS 100ng/ml 30', using Caveolin-1 (Phospho-Tyr14) Antibody. The lane on the right is blocked with the phospho peptide.



+86-27-59760950

[ELKbio@ELKbiotech.com](mailto:ELKbio@ELKbiotech.com)

[www.elkbiotech.com](http://www.elkbiotech.com)

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei, P.R.C