

Caveolin-1(Ab-14) Antibody

Catalog No: #21112



Package Size: #21112-1 50ul #21112-2 100ul #21112-4 25ul

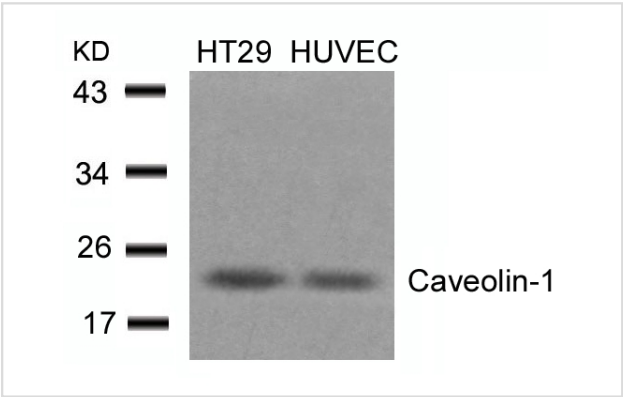
Overview

Product Name	Caveolin-1(Ab-14) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	Caveolin-1
Alternative Names	CAV; CAV1;

Application Details

Predicted MW: 24kd
Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HT29 and HUVEC cells using Caveolin-1(Ab-14) Antibody #21112.

Descriptions

Immunogen	Peptide sequence around aa.12~16 (H-L-Y-T-V) derived from Human CAVEOLIN-1.
Specificity	The antibody detects endogenous level of total Caveolin-1 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: Q03135NCBI Protein: NP_001166366.1

Related Information

The scaffolding protein encoded by Caveolin-1 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 MAP kinase cascade. CAV1 and CAV2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. By using alternative initiation codons in the same reading frame, two isoforms (α and β) are encoded by a single transcript from this gene.

Zhang Y, et al. (2005) *Mol Cell Proteomics*. 4(9): 1240-1250.

Labrecque L, et al. (2004) *J Biol Chem*. 279(50): 52132-52140.

Fielding PE, et al. (2004) *Biochemistry*. 43(9): 2578-2586.

Labrecque L, et al. (2003) *Mol Biol Cell*. 14(1): 334-347.

Maggi D, et al. (2002) *Biochem Biophys Res Commun*. 295(5): 1085-1089.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.