

Caveolin 2 (Phospho Ser23) Rabbit pAb

CatalogNo: YP1843

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, WB

MW

- 26kD (Observed)

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human Caveolin 2 (Phospho Ser23)

Specificity This antibody detects endogenous levels of Caveolin 2 (Phospho Ser23) Rabbit pAb at Human, Mouse, Rat

Target Information

Gene name CAV2

Protein Name

Caveolin-2

Organism	Gene ID	UniProt ID
Human	858;	P51636;
Mouse	12390;	Q9WVC3;
Rat	363425;	Q2IBC5;

Cellular Localization

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-phosphorylated form is enriched at sites of cell-cell contact and is translocated to the nucleus in complex with MAPK1 in response to insulin (By similarity) . Tyr-27-phosphorylated form is located both in the cytoplasm and plasma membrane. CAV1-mediated Ser-23-phosphorylated form locates to the plasma membrane. Ser-36-phosphorylated form resides in intracellular compartments. .

Tissue specificity

Expressed in endothelial cells , smooth muscle cells , skeletal myoblasts and fibroblasts.

Function

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. ,

| Validation Data

| Contact information

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