

## Caveolin-1 Rabbit pAb

CatalogNo: YT0686

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 25kD (Observed)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-2000**

**IF 1:50-300**

**IHC 1:50-300**

### | Storage

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

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

**Clonality** Polyclonal

### | Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human Caveolin-1. AA range:129-178

**Specificity** Caveolin-1 Polyclonal Antibody detects endogenous levels of Caveolin-1 protein.

### | Target Information

**Gene name** CAV1

**Protein Name** Caveolin-1

Organism	Gene ID	UniProt ID
Human	<a href="#">857;</a>	<a href="#">Q03135;</a>
Mouse	<a href="#">12389;</a>	<a href="#">P49817;</a>
Rat		<a href="#">P41350;</a>

**Cellular Localization** 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 hairpin-like structure in the membrane. Membrane protein of caveolae.

**Tissue specificity** Skeletal muscle, liver, stomach, lung, kidney and heart (at protein level). Expressed in the brain.

**Function** Disease:Defects in CAV1 are the cause of congenital generalized lipodystrophy type 3 (CGL3) [MIM:612526]; also called Berardinelli-Seip congenital lipodystrophy type 3 (BSCL3). Congenital generalized lipodystrophies are autosomal recessive disorders characterized by a near absence of adipose tissue, extreme insulin resistance, hypertriglyceridemia, hepatic steatosis and early onset of diabetes.,Function:May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity.,online information:Caveolin entry,PTM:The initiator methionine for isoform Beta is removed during or just after translation. The new N-terminal amino acid is then N-acetylated.,similarity:Belongs to the caveolin family.,subcellular location:Potential hairpin-like structure in the membrane. Membrane protein of caveolae.,subunit:Homooligomer. Interacts with GLIPR2, NOSTRIN, SNAP25 and syntaxin. Interacts with rotavirus A NSP4.,tissue specificity:In muscle and lung, less so in liver, brain and kidney.,

## | Validation Data

## | Contact information

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