

## CAV1

**Reactivity:** Human

**Tested applications:** WB IHC ICC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:100

**Calculated MW:** 20 kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human CAV1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085;

**Catalog #:** A10778

**Antibody Type:**

Monoclonal Antibody

**Species:** Rabbit

**Gene ID:** 857

**Isotype:** IgG

**Swiss Prot:** Q03135

**Purity:** Affinity purification

For research use only.

**Background:**

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.

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