

| | |
|------------------------------|--|
| Catalog Number | A4890 |
| Synonyms | CAV; Caveolin-2 |
| Reactivity | Human,Mouse |
| Tested applications | ELISA,WB,IHC-P,IP |
| Host species | Rabbit |
| Background | The protein encoded by this gene is a major component of the inner surface of caveolae, small invaginations of the plasma membrane, and is involved in essential cellular functions, including signal transduction, lipid metabolism, cellular growth control and apoptosis. This protein may function as a tumor suppressor. This gene and related family member (CAV1) are located next to each other on chromosome 7, and express colocalizing proteins that form a stable hetero-oligomeric complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Additional isoforms resulting from the use of alternate in-frame translation initiation codons have also been described, and shown to have preferential localization in the cell (PMID:11238462). |
| Gene Id | 858 |
| Isotype | IgG |
| Purity | Affinity purification |
| Swiss Prot | P51636 |
| Recommended dilution | WB,1:500 - 1:2000 IHC-P,1:50 - 1:200 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells |
| CALCULATED MW | 18kDa |
| OBSERVED MW | 21kDa |
| IMMUNOGEN | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Caveolin-2 (P51636). |
| POSITIVE SAMPLES | HeLa,293T,Mouse lung |
| CELLULAR LOCALIZATION | Cell membrane,Cytoplasm,Golgi apparatus membrane,Membrane,Nucleus,Peripheral membrane protein,Caveola, |
| STORAGE BUFFER | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3. |

FOR RESEARCH USE ONLY. NOT FOR THERAPEUTIC OR DIAGNOSTIC APPLICATIONS. READ THROUGH ALL PROCEDURES BEFORE USE.