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Product datasheet for TA330402

Caveolin 2 (CAV2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CAV2 antibody: synthetic peptide directed towards the N terminal of human CAV2. Synthetic peptide located within the following region: LVIPYNEKPEKPAKTQKTSLDEALQWRDSLDKLLQNNYGLASFKSFLKSE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	18 kDa
Gene Name:	caveolin 2
Database Link:	NP_001224 Entrez Gene 858 Human P51636

View online »

Background: CAV2 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. CAV1 and CAV2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Two transcript variants encoding distinct isoforms have been identified for this gene. By using alternative initiation codons in the same reading frame, two isoforms (alpha and beta) are encoded by one transcript.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. CAV1 and CAV2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Two transcript variants encoding distinct isoforms have been identified for this gene. By using alternative initiation codons in the same reading frame, two isoforms (alpha and beta) are encoded by one transcript.

Synonyms: CAV

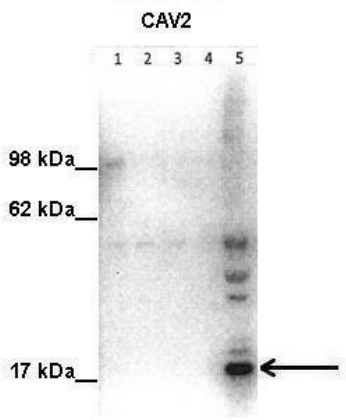
Note: Immunogen sequence homology: Bovine: 100%; Dog: 100%; Guinea pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Focal adhesion

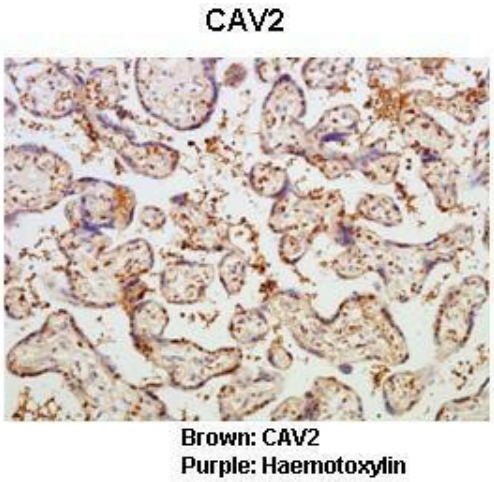
Product images:

WB Suggested Anti-CAV2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Human Lung



See Immunoblot 2 Data and Customer Feedback for more information

Lanes: Lane 1: 50 ug human placental tissue lysate; Lane 2: 40 ug human placental tissue lysate; Lane 3: 30 ug human placental tissue lysate; Lane 4: 20 ug human placental tissue lysate; Lane 5: 20 ug human myometrial tissue lysate; Primary Antibody Dilution:



Sample Type : Human placental tissue Primary Antibody Dilution : 1:50Secondary Antibody : Goat anti rabbit-HRP Secondary Antibody Dilution : 1:10,000Color/Signal Descriptions : Brown: CAV2 Purple: HaemotoxylinGene Name : CAV2Submitted by : Dr. Hiten D. Mi