

Datasheet for ABIN783942
anti-Caveolin 2 antibody (AA 1-45)

3 Images

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Overview

Quantity:	0.1 mL
Target:	Caveolin 2 (CAV2)
Binding Specificity:	AA 1-45
Reactivity:	Human, Cow, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caveolin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Synthetic peptide corresponding to a region within amino acids 1 and 45 of Human Caveolin 2
Specificity:	Recognizes Caveolin-2
Cross-Reactivity (Details):	Species reactivity (expected):Cow (100 %), Monkey (100 %)Species reactivity (tested):Human.
Purification:	Antigen-Affinity Chromatography

Target Details

Target:	Caveolin 2 (CAV2)
Alternative Name:	Caveolin-2 (CAV2 Products)
Background:	The protein encoded by this gene is a major component of the inner surface of caveolae, small

Target Details

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: CAV2

Molecular Weight: 18 kDa

Gene ID: 858, 9606

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.94 mg/mL

Buffer: 0.1 M Tris, 0.1 M Glycine, 10 % Glycerol (pH 7), 0.01 % Thimerosal

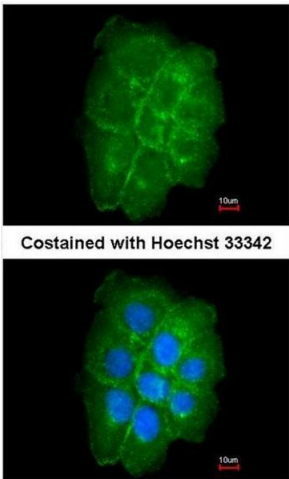
Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

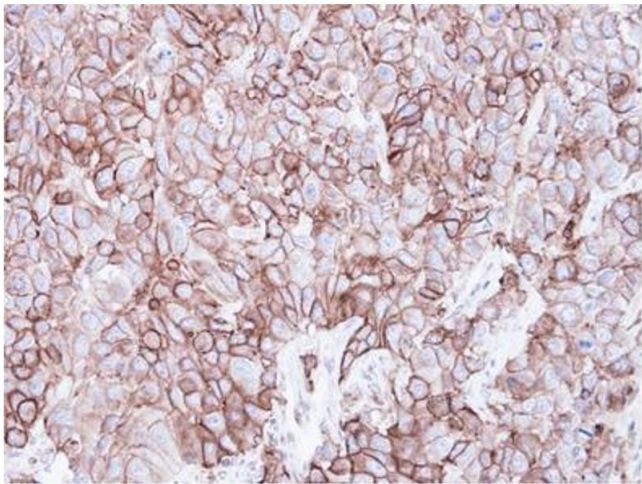
Storage Comment: Store the antibody undiluted (in aliquots) at -20 °C.



Costained with Hoechst 33342

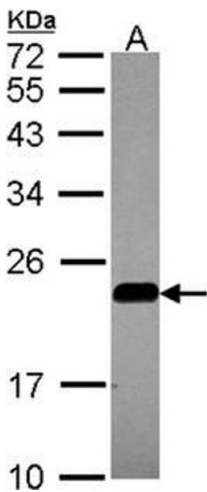
Immunofluorescence

Image 1. AP31081PU-N CAV2 antibody staining of Paraformaldehyde-Fixed A431 by Immunofluorescence at 1/200 dilution.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. AP31081PU-N CAV2 antibody staining of Paraffin-Embedded FaDu xenograft at 1/500 dilution.



Western Blotting

Image 3. AP31081PU-N CAV2 antibody staining of A549 (A) whole cell lysate (30 µg) at 1/1000 dilution, 12% SDS PAGE.