

Datasheet for ABIN2856589  
**anti-Caveolin 2 antibody (N-Term)**

## 7 Images

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Caveolin 2 (CAV2)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human Caveolin 2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Caveolin 2 (caveolin 2) Caveolin 2 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	Caveolin 2 (CAV2)
Alternative Name:	caveolin 2 ( <a href="#">CAV2 Products</a> )

## Target Details

**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. 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.

**Cellular Localization:** Golgi apparatus membrane, Single-pass membrane protein , Cell membrane, Single-pass membrane protein , Membrane , caveola, Single-pass membrane protein , Golgi apparatus membrane , Cell membrane , Membrane , caveola

**Molecular Weight:** 18 kDa

**Gene ID:** 858

**UniProt:** [P51636](#)

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

## Application Details

**Application Notes:** WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

**Comment:** Positive Control: A549 , C8D30 , rat muscle  
Validation: Orthogonal

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.94 mg/mL

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

**Preservative:** Thimerosal (Merthiolate)

**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE

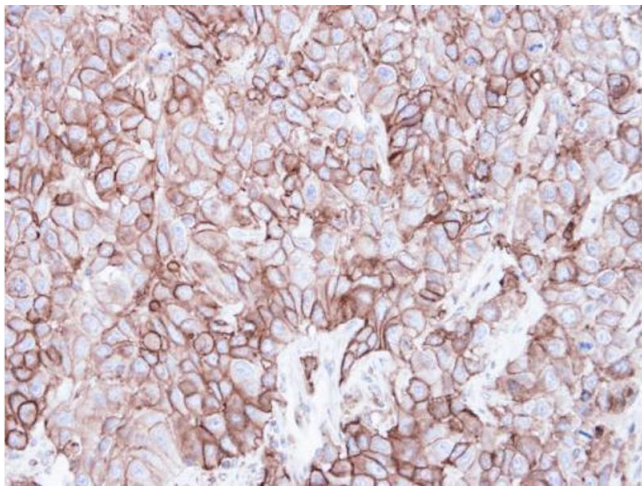
Handling

which should be handled by trained staff only.

Storage: 4 °C,-20 °C

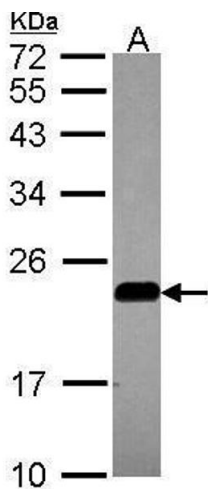
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #101762 for Western Blotting (WB)



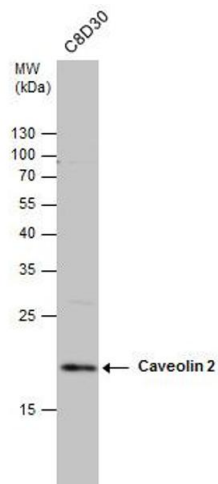
Immunohistochemistry

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded FaDu xenograft, using Caveolin 2, antibody at 1:500 dilution.



Western Blotting

**Image 2.** WB Image Sample (30 ug of whole cell lysate) A: A549 12% SDS PAGE antibody diluted at 1:1000



### Western Blotting

**Image 3.** WB Image Caveolin 2 antibody detects Caveolin 2 protein by western blot analysis. Whole cell extracts (30 µg) was separated by 15% SDS-PAGE, and the membrane was blotted with Caveolin 2 antibody , diluted at 1:1000.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN2856589.