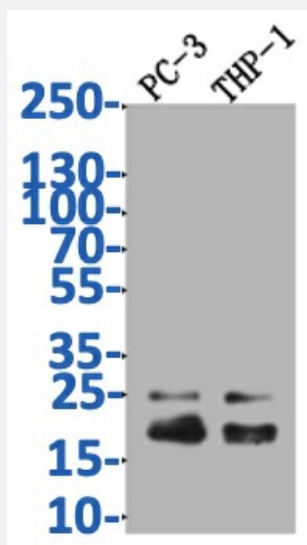


RecomAb™

CAV1 recombinant monoclonal antibody, clone 2A7

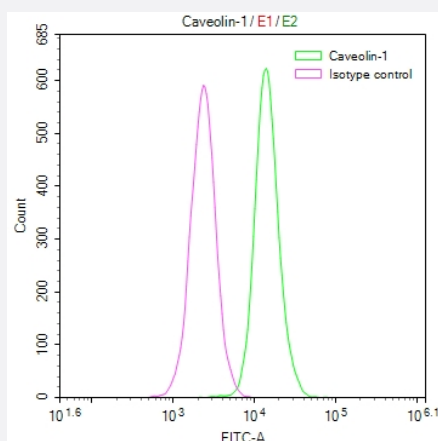
Catalog # RAB07776 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: PC-3 whole cell lysate; Lane 2: THP-1 whole cell lysate.



Flow Cytometry

Overlay Peak curve showing HeLa cells stained with CAV1 recombinant monoclonal antibody, clone 2A7 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CAV1.
Antibody Species	Rabbit

Immunogen	Original antibody is raised against a synthetic peptide corresponding to human CAV1.
Theoretical MW (kDa)	Calculated MW: 20
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: PC-3 whole cell lysate; Lane 2: THP-1 whole cell lysate.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing Hela cells stained with CAV1 recombinant monoclonal antibody, clone 2A7 (red line) at 1:50.

Gene Info — CAV1

Entrez GeneID	857
Protein Accession#	Q03135
Gene Name	CAV1
Gene Alias	BSCL3, CAV, CGL3, MSTP085, VIP21

Gene Description	caveolin 1, caveolae protein, 22kDa
Omim ID	601047
Gene Ontology	Hyperlink
Gene Summary	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 MAP kinase cascade. CAV1 and CAV2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. By using alternative initiation codons in the same reading frame, two isoforms (alpha and beta) are encoded by a single transcript from this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000025031 caveolae protein, 22-kD caveolin 1 caveolin 1 caveolae protein, 22kD caveolin 1, alpha isoform caveolin 1, beta isoform caveolin-1 beta isoform protein cell growth-inhibiting protein 32

Pathway

- [Focal adhesion](#)

Disease

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Arrhythmias](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Atrioventricular Block](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
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- [Neoplasms](#)
- [Prostate cancer](#)
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