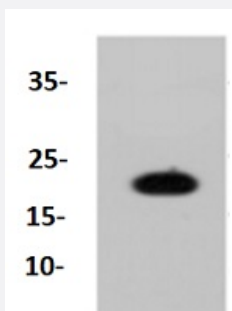


RecomAb™

CAV1 recombinant monoclonal antibody

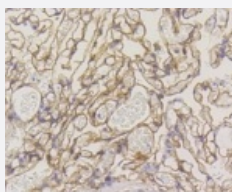
Catalog # RAB02716 Size 100 uL

Applications



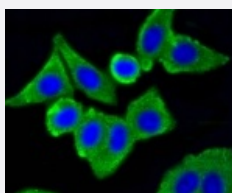
Western Blot (Cell lysate)

Western blot analysis of Lane1:A431 whole cell lysate with CAV1 recombinant monoclonal antibody (Cat # RAB02716) at 1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung tissue using CAV1 recombinant monoclonal antibody (Cat # RAB02716). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of MCF7 cells using CAV1 recombinant monoclonal antibody (Cat # RAB02716). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against CAV1.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant CAV1.
Theoretical MW (kDa)	20
Reactivity	Human
Specificity	This antibody detects endogenous levels of Caveolin-1 and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane1:A431 whole cell lysate with CAV1 recombinant monoclonal antibody (Cat # RAB02716) at 1:1000 dilution.

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Immunocytochemical staining of MCF7 cells using CAV1 recombinant monoclonal antibody (Cat # RAB02716). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X-100/PBS.

- Immunofluorescence

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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- [Lung Neoplasms](#)
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- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)

- [Sick Sinus Syndrome](#)
- [Thrombosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)