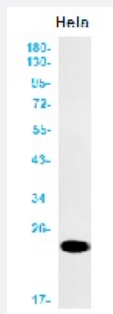


RecomAb™

CAV1 recombinant monoclonal antibody, clone R05-6C3

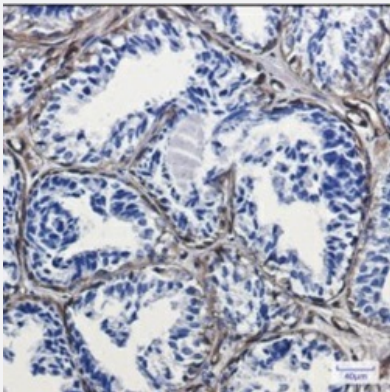
Catalog # RAB01699 Size 100 uL

Applications



Western Blot

Western blot analysis of Caveolin1 in Hela lysates using human Caveolin-1 recombinant monoclonal antibody, clone R05-6C3 (Cat # RAB01699).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with Caveolin1 recombinant monoclonal antibody, clone R05-6C3 (Cat # RAB01699). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human Caveolin-1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human Caveolin-1
Theoretical MW (kDa)	Calculated MW: 20 kD
Reactivity	Human

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°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 Caveolin1 in Hela lysates using human Caveolin-1 recombinant monoclonal antibody, clone R05-6C3 (Cat # RAB01699).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with Caveolin1 recombinant monoclonal antibody, clone R05-6C3 (Cat # RAB01699). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

- Immunoprecipitation

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, a n 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](#)
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- [Prostate cancer](#)
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