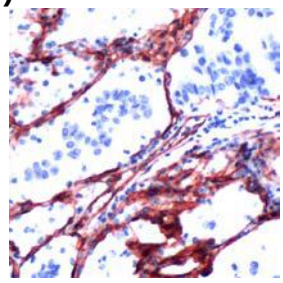
Rabbit Anti-Human Caveolin-1 Monoclonal Antibody (Clone SP43)



CATALOG #:	**M3430**	0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
	M3434	1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
	M3431	7 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

INTENDED USE: For Research Use Only. Not for use in diagnostic procedures.

CLONE: SP43

IMMUNOGEN: Synthetic peptide corresponding to C-terminus of human Caveolin-1 protein.

IG ISOTYPE: Rabbit IgG

EPITOPE: Not determined

MOLECULAR WEIGHT 22kDa

SPECIES REACTIVITY: Human (tested). Others not tested

DESCRIPTION: Caveolae (also known as plasmalemmal vesicles) are 50-100 nm flask-shaped membranes that represent a subcompartment of the plasma membrane. On the basis of morphological studies, caveolae have been implicated to function in the transcytosis of various macromolecules (including LDL) across capillary endothelial cells, uptake of small molecules via potocytosis and the compartmentalization of certain signaling molecules including G protein-coupled receptors. Three proteins, caveolin-1, caveolin-2 and caveolin-3 have been identified as principle components of caveolae.

APPLICATIONS: Immunohistochemistry (IHC)

IHC PROCEDURE:
Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.
Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.
Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:50. The dilutions are estimates; actual results may differ because of variability in methods and protocols.
Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.
Primary Antibody Incubation: Incubate for 30 minutes at RT.
Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.
Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

POSITIVE CONTROL: Lung carcinoma

CELLULAR LOCALIZATION: Cytoplasm and membrane

STORAGE & STABILITY Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

WARNINGS & PRECAUTIONS:
1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

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