Data Sheet (Cat.No.TMAC-00626)

Anti-Caveolin 2 Antibody (7L548)

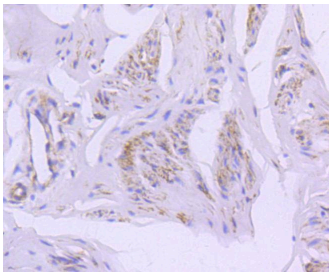
Product Details

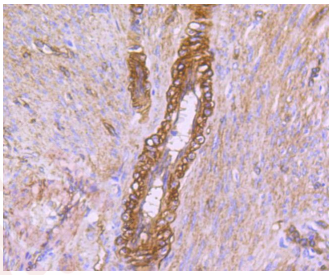
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 20 kDa.
Clone:	7L548
Purification:	ProA affinity purified

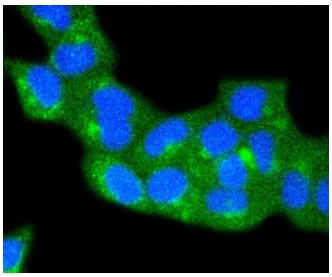
Applications

Verified Activity:

1. Western blot analysis of caveolin-2 on HUVEC cell lysates using anti-caveolin-2 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human cervix uteri tissue using anti-caveolin-2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-caveolin-2 antibody. Counter stained with hematoxylin.
4. ICC staining caveolin-2 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.







Application:	ICC/IF,IHC,IP,WB
Recommended	WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P51636
Synonyms:	Caveolae protein 20 kD;OTTHUMP00000025032;CAV2;CAV2_HUMAN;Caveolin2;MGC12294; Caveolin 2 isoform a and b;OTTHUMP00000195982;CAV;Caveolin-2

Research Background

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 principal components of caveolae. Two forms of caveolin-1, designated a and b, share a distinct but overlapping cellular distribution and differ by an N-terminal 31 amino acid sequence that is absent from the b isoform. Caveolin-1 shares 31% identity with caveolin-2 and 65% identity with caveolin-3 at the amino acid level. Functionally, the three proteins differ in their interactions with heterotrimeric G protein isoforms.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481