

# Anti-Caveolin-1 Antibody

0407-6



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	WB, IF-Cell, IHC-P, FC
<b>Molecular Wt:</b>	Predicted band size: 20 kDa

**Description:** Caveolin, an integral membrane protein, is a principal component of caveolae membranes in vivo. Two isoforms of caveolin have been identified: a slower migrating 24-kDa species (-isoform) and a faster migrating 21-kDa species (-isoform). Caveolins interact with multiple signaling molecules, such as the G-protein alpha subunit, tyrosine kinase receptors, PKCs, Src family tyrosine kinases and eNOS. Caveolin-1 has been implicated in the pathogenesis of mammary epithelial cell hyperplasia.

**Immunogen:** Synthetic peptide within mouse Caveolin-1 aa 128-178.

**Positive control:** Mouse liver tissue lysates, human kidney tissue.

**Subcellular location:** Golgi apparatus membrane, Cell membrane, Membrane, caveola, Membrane raft, Golgi apparatus, trans-Golgi network.

**Database links:** SwissProt: Q03135 Human | P49817 Mouse | P41350 Rat

**Recommended Dilutions:**

<b>WB</b>	1:500
<b>IHC-P</b>	1:100

**Storage Buffer:** 1\*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

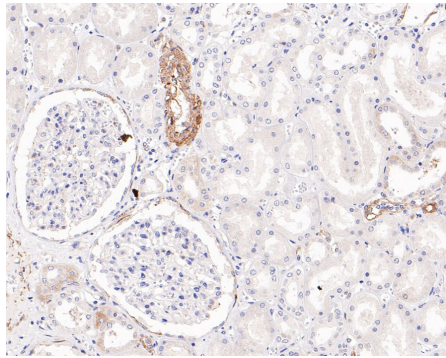
Service mail:support@huabio.cn

华安生物  
HUABIO  
www.huabio.cn

## Images



**Fig1:** Western blot analysis on Mouse liver tissue lysate using anti-Caveolin-1 polyclonal antibody



**Fig2:** Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-Caveolin-1 antibody (0407-6) at 1/100 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (0407-6) at 1/100 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Scherer P.E., Tang Z., et al. J. Biol. Chem. 270:16395-16401(1995)
2. Okamoto, T., et al. Caveolins, a family of scaffolding proteins for organizing "preassembled signaling complexes" at the plasma membrane. J. Biol. Chem. 273: 5419-5422 (1998)
3. Smart, E.J., et al. Caveolins, liquid-ordered domains, and signal transduction. Mol. Cell. Biol. 19: 7289-7304(1999).

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物  
HUABIO  
www.huabio.cn