



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Caveolin 1. Rabbit Polyclonal Antibody

**BACKGROUND**

Caveolin 1 is a tyrosine phosphoprotein that plays an essential role in the formation of caveolae where it acts as a scaffolding protein. It has also been shown to bind cholesterol and to be involved in the lipid transport, membrane trafficking and signal transduction. Interacts directly with G-protein alpha subunits and can functionally regulate their activity.

**ORDERING INFORMATION**

**CATALOG NUMBER**

X1863P

**SIZE**

100  $\mu$ g

**FORM**

Unconjugated

**HOST/CLONE**

Rabbit

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot

**SPECIES REACTIVITY**

Human

**ACCESSION NUMBER**

Q03135, Human

**IMMUNOGEN**

Synthetic peptide derived from the human caveolin-1 beta isoform

**POSITIVE CONTROL/TISSUE EXPRESSION**

**COMMENTS**

Antibody can be used for Western blotting (1-5  $\mu$ g/ml). Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Ammonium Sulfate Precipitation

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Cai, T., et al. "Regulation of caveolin-1 membrane trafficking by the Na/K-ATPase." *J. Cell Biol.* 2008, 182, 1153-1169.
2. Dittman, K., et al. "Radiation-induced caveolin-1 associated EGFR internalization is linked with nuclear EGFR transport and activation of DNA-PK." *Mol. Cancer* 2008, 7, 69.
3. Zhong, Y., et al. "Caveolin-1 regulates human immunodeficiency virus-1 Tat-induced alterations of tight junction protein expression via modulation of the Ras signaling." *J. Neurosci.* 2008, 28, 7788-7796.
4. Tourkina, E., et al. "Antifibrotic properties of caveolin-1 scaffolding domain in vitro and in vivo." *Am. J. Physiol. Lung Cell. Mol. Physiol.* 2008, 294, L843-L861
5. Huang, J.H., et al. "Identification of the HIV-1 gp41 core-binding motif in the scaffolding domain of caveolin-1." *J. Biol. Chem.* 2007, 282, 6143-6152.