



# 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

### SZABO-SCANDIC HandelsgmbH

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**Guanylate Kinase (PDZ 4-5) (MAGI). Sheep Polyclonal Antibody**

**BACKGROUND**

Membrane-associated guanylate kinase with inverted orientation (MAGI3) is a novel, 130 kDa guanylate kinase which is part of a family of multi-PDZ domain containing guanylate kinases. These guanylate kinases are localized to epithelial cell tight junctions. MAGI3 and PTEN/MMAC cooperate to modulate the kinase activity of AKT/protein kinase B (PKB). MAGI3 positions the PTEN/MMAC phosphatase to specific subcellular locations that are involved with the regulation of cell proliferation and survival. MAGI3, as well as other proteins in this family, are made up of an N-terminal guanylate kinase domain, followed by a WW domain, named for two conserved tryptophan residues and first identified as two repeats in mouse YAP65, which is then followed by 6 PDZ domains.

**ORDERING INFORMATION**

**CATALOG NUMBER**

K110P

**SIZE**

250 µg

**FORM**

Unconjugated

**HOST/CLONE**

Sheep

**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**

Q9H2V6, Human

**IMMUNOGEN**

Recombinant protein corresponding to PDZ domains 4-5 of MAGI-3.

Western blot analysis using MAGI-3, PDZ 4-5 antibody on cell lysates transfected with full-length human MAGI-3 protein.



← MAGI-3  
(130 kDa)

## **POSITIVE CONTROL/TISSUE EXPRESSION**

### **COMMENTS**

Antibody detects MAGI-3 by Western blot at 1-10  $\mu\text{g/ml}$ . Detects a 130 kDa band in cells transfected with full-length MAGI-3 protein. 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  $-20^{\circ}\text{C}$ . Aliquot to avoid freeze/thaw cycles

### **STABILITY**

Products are stable for one year from purchase when stored properly

### **REFERENCES**

1. Wu, Y., et al. Interaction of the tumor suppressor PTEN/MMAC with a PDZ domain of MAGI3, a novel membrane-associated guanylate kinase. *J. Biol. Chem.* 2000, 275, 21477-21485