

**SMAD9 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14903c****Specification**

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**SMAD9 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O15198](#)**SMAD9 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4093**Other Names**

Mothers against decapentaplegic homolog 9, MAD homolog 9, Mothers against DPP homolog 9, Madh6, SMAD family member 9, SMAD 9, Smad9, SMAD9, MADH6, MADH9

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SMAD9 Antibody (Center) Blocking Peptide - Protein Information****Name** SMAD9**Synonyms** MADH6, MADH9, SMAD8 {ECO:0000303|PubMed:**Function**

Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD9 is a receptor- regulated SMAD (R-SMAD).

**Cellular Location**

Cytoplasm. Nucleus. Note=In the cytoplasm in the absence of ligand. Migration to the nucleus when complexed with SMAD4 (By similarity).

**Tissue Location**

Expressed in heart, brain, placenta, lung, skeletal muscle, prostate, testis, ovary and small intestine. Also expressed in fetal brain, lung and kidney

**SMAD9 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **SMAD9 Antibody (Center) Blocking Peptide - Images**

#### **SMAD9 Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene is a member of the SMADfamily, which transduces signals from TGF-beta family members. Theencoded protein is activated by bone morphogenetic proteins andinteracts with SMAD4. Two transcript variants encoding differentisoforms have been found for this gene.

#### **SMAD9 Antibody (Center) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Liu, Y., et al. FASEB J. 23(7):2299-2306(2009)Su, D., et al. J. Biol. Chem. 284(18):12153-12164(2009)Shintani, M., et al. J. Med. Genet. 46(5):331-337(2009)Hoover, L.L., et al. Sci Signal 1 (46), PE48 (2008) :