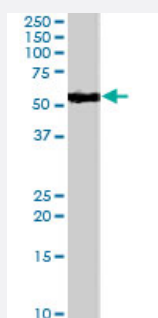


SMAD9 polyclonal antibody

Catalog # PAB7003

Size 100 ug

Applications



Western Blot (Tissue lysate)

SMAD9 polyclonal antibody (Cat # PAB7003) (0.3 ug/mL) staining of human skin lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of SMAD9.

Immunogen A synthetic peptide corresponding to human SMAD9.

Sequence C-HSEPLMPHNATYPD

Host Goat

Theoretical MW (kDa) 48.6

Reactivity Human

Specificity This antibody is not expected to cross-react with SMAD1 and SMAD5.

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:64000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

SMAD9 polyclonal antibody (Cat # PAB7003) (0.3 ug/mL) staining of human skin lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SMAD9

Entrez GeneID	4093
Protein Accession#	NP_005896.1
Gene Name	SMAD9
Gene Alias	MADH6, MADH9, SMAD8A, SMAD8B
Gene Description	SMAD family member 9
Omim ID	603295
Gene Ontology	Hyperlink
Gene Summary	SMAD family members, such as SMAD9, transduce signals from members of the TGF-beta (see TGFB1; MIM 190180) superfamily, which regulate growth, differentiation, apoptosis, and development (Nishita et al., 1999 [PubMed 10583507]).[supplied by OMIM]
Other Designations	MAD (mothers against decapentaplegic, Drosophila) homolog 9 MAD, mothers against decapentaplegic homolog 9 Mothers against decapentaplegic, drosophila, homolog of, 9 OTTHUMP00000178565 SMAD, mothers against DPP homolog 9

Publication Reference

- [Mechanisms of TGF-beta signaling from cell membrane to the nucleus.](#)

Shi Y, Massagué J.

Cell 2003 Jun; 113(6):685.

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)