

Rabbit SMO / Smoothened Polyclonal Antibody | anti-SMO antibody

Rabbit Polyclonal (IgG) to Human SMO / Smoothened

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51750	Rabbit	Human, Mouse, Rat	ELISA, Western Blot, Immunohistochemistry

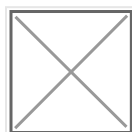
PRODUCT SYNONYMS

SMO / Smoothened; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Human SMO / Smoothened; Anti-SMO / Smoothened Antibody (aa68-117) IHC-plus; SMO; Frizzled family member 11; FZD11; Gx; Protein Gx; SMOH; Smoothened; Smoothened homolog; Human SMO; anti-SMO antibody

PRODUCT SPECIFICATIONS

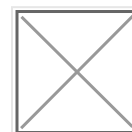
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SMO Antibody detects endogenous levels of total SMO protein.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Length	787
Applicable Applications for anti-SMO antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human SMO (aa68-117).
Immunogen	SMO / Smoothened antibody was raised against synthetic peptide from human SMO (aa68-117).
Antigen Modification	aa68-117
Preparation and Storage	Store at -20 degree C for up to one year.

IMAGES



WB (Western Blot)

Western blot of extracts from HUVEC cells, using SMO Antibody. The lane on the right is treated with the synthesized peptide.



IHC (Immunohistochemistry)

Anti-SMO antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.



IHC (Immunohistochemistry)

Anti-SMO antibody IHC of human lung. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SMO antibody	Smoothened, a Frizzled Receptor, is homologous to the Drosophila segment polarity Smo gene. It associates with the Patched protein to mediate the cellular response to the Hedgehog secreted protein signal, which controls patterning and growth during vertebrate development. Smoothened is activated in a number of human tumors and can function as an oncogene in basal-cell carcinomas.
Product Categories/Family for anti-SMO antibody	Family: GPCR ; Subfamily: Frizzled

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032099
NCBI GeneID	6608
NCBI Accession #	NP_005622.1
NCBI GenBank Nucleotide #	NM_005631.4
UniProt Accession #	Q99835 ; A4D1K5
Molecular Weight	86,397 Da
NCBI Official Full Name	smoothened homolog
NCBI Official Synonym Full Names	smoothened, frizzled class receptor
NCBI Official Symbol	SMO
NCBI Official Synonym Symbols	Gx; SMOH; FZD11
NCBI Protein Information	smoothened homolog; protein Gx; frizzled family member 11; seven transmembrane helix receptor; smoothened, frizzled family receptor; smoothened, seven transmembrane spanning receptor
UniProt Protein Name	Smoothened homolog
UniProt Gene Name	SMO
UniProt Synonym Gene Names	SMOH; SMO
UniProt Entry Name	SMO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/smo-smoothened-antibody-western-blot-immunohistochemistry-elisa/51750>