

Rabbit SMO Polyclonal Antibody | anti-SMO antibody

SMO Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325752	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Western Blot

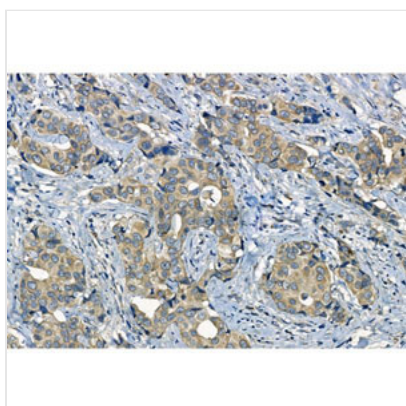
PRODUCT SYNONYMS

SMO; Polyclonal Antibody; SMO Antibody; Frizzled family member 11; FZD11; Gx; Gx protein; Protein Gx; SMO_HUMAN; SMOH; Smoothened frizzled family receptor; Smoothened homolog (Drosophila); Smoothened homolog; Smoothened homolog precursor (SMO) (Gx protein); Smoothened seven transmembrane spanning receptor; anti-SMO antibody

PRODUCT SPECIFICATIONS

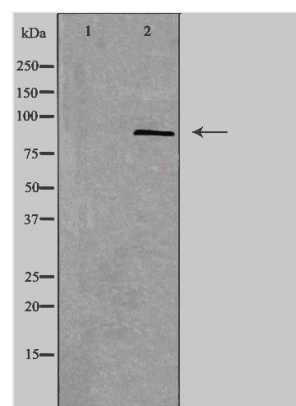
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SMO antibody detects endogenous levels of total SMO
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SMO antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SMO, corresponding to a region within N-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



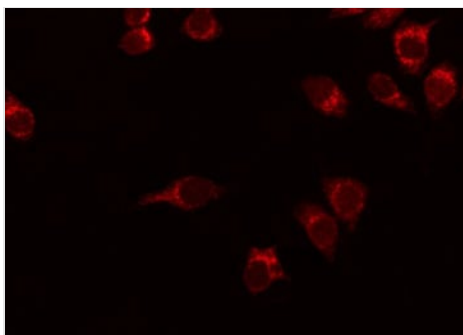
IHC (Immunohistochemistry)

AAA325752 at 1/100 staining Human mammary cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HuvEc cells, using SMO antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325752 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SMO antibody

Function: G protein-coupled receptor that probably associates with the patched protein (PTCH) to transduce the hedgehog's proteins signal. Binding of sonic hedgehog (SHH) to its receptor patched is thought to prevent normal inhibition by patched of smoothened (SMO). Required for the accumulation of KIF7, GLI2 and GLI3 in the cilia (PubMed:19592253). Interacts with DLG5 at the ciliary base to induce the accumulation of KIF7 and GLI2 at the ciliary tip for GLI2 activation (By similarity).

Similarity: Belongs to the G-protein coupled receptor Fz/Smo family.

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 KD
NCBI Official Full Name	smoothened homolog
NCBI Official Synonym Full Names	smoothened, frizzled class receptor
NCBI Official Symbol	SMO
NCBI Official Synonym Symbols	Gx; CRJS; SMOH; FZD11
NCBI Protein Information	smoothened homolog
UniProt Protein Name	Smoothened homolog
UniProt Gene Name	SMO
UniProt Synonym Gene Names	SMOH; SMO

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/smo-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325752>