



Smo Polyclonal Antibody

Catalog No	YP-Ab-13674
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	SMO
Immunogen	The antiserum was produced against synthesized peptide derived from human SMO. AA range:68-117
Specificity	Smo Polyclonal Antibody detects endogenous levels of Smo protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Smoothened homolog;SMOH;Protein smoothened;Protein Gx;Gx;Smo
Observed Band	86kD
Calculated Molecular Weight	86kD
Cell Pathway	Membrane ; Multi-pass membrane protein . Cell projection, cilium .
Tissue Specificity	Brain,Embryonic lung,Synovial membrane,
Function	disease:Defects in SMO are involved in basal cell carcinoma (BCC).,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).,similarity:Belongs to the G-protein coupled receptor Fz/ Smo family.,similarity:Contains 1 FZ (frizzled) domain.,
Background	The protein encoded by this gene is a G protein-coupled receptor that interacts with the patched protein, a receptor for hedgehog proteins. The encoded protein transduces signals to other proteins after activation by a hedgehog protein/ patched protein complex. [provided by RefSeq, Jul 2010],



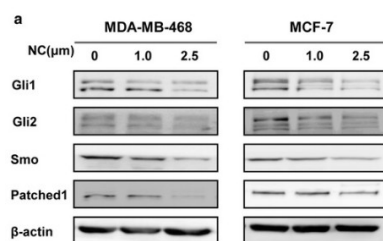
matters needing attention

Avoid repeated freezing and thawing!

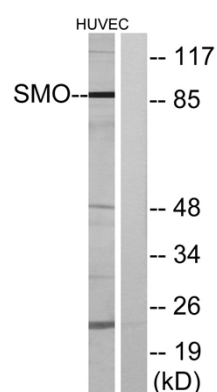
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

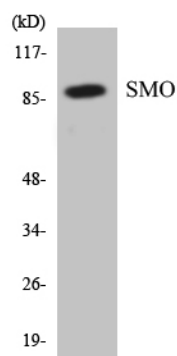
Products Images



Sun, Mingjuan, et al. "Hedgehog pathway is involved in nitidine chloride induced inhibition of epithelial-mesenchymal transition and cancer stem cells-like properties in breast cancer cells." *Cell & bioscience* 6.1 (2016): 44.



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



Western blot analysis of the lysates from HepG2 cells using SMO antibody.