

Product datasheet for **AP23648PU-N**

Smoothened (SMO) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Immunohistochemistry on Paraffin Sections: 1/100. Western Blot: 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	SMO antibody was raised against synthetic peptide - KLH conjugated
Specificity:	This antibody reacts to the N-term of Smoothened Homolog (SMOH).
Formulation:	PBS (without Mg ²⁺ , Ca ²⁺), pH 7.4 containing 150 mM sodium chloride, 0.02% sodium azide as preservative and 50% glycerol as stabilizer State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	smoothened, frizzled class receptor
Database Link:	Entrez Gene 25273 Rat Entrez Gene 319757 Mouse Entrez Gene 6608 Human Q99835
Background:	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.



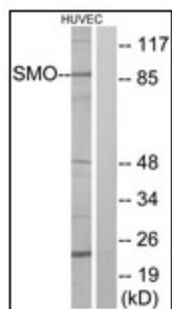
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Synonyms: SMOH, Smoothened homolog

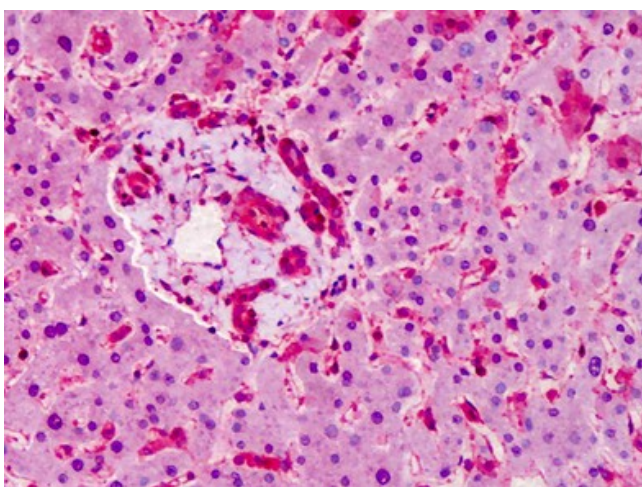
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transmembrane

Protein Pathways: Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer

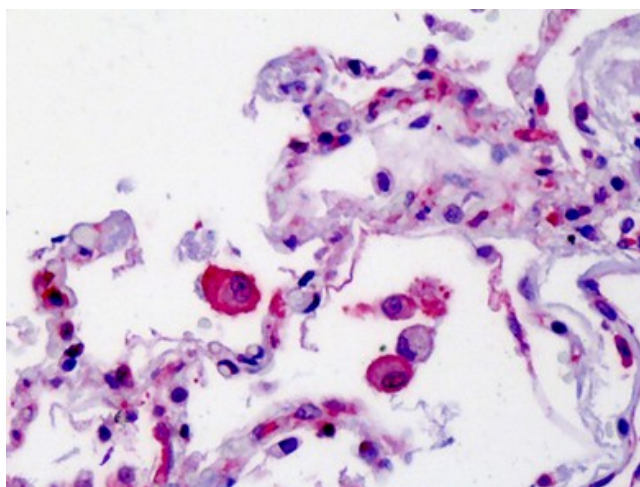
Product images:



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



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Lung: Formalin-Fixed, Paraffin-Embedded (FFPE)