



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

SMO (Smoothed Homolog). Rabbit Polyclonal Antibody
Smoothed homolog [Precursor], SMO, Gx protein, SMO, SMOH

BACKGROUND

SMO is a G protein-coupled receptor (GPCR) that putatively associates with the patched protein (PTCH) to transduce the hedgehog's proteins signal. The binding of sonic hedgehog (SHH) to its receptor patched is thought to prevent normal inhibition by patched of smoothed (SMO). In basal cell carcinoma there are two somatic mutations SMO, D473-> H473 and R562 ->Q562.

ORDERING INFORMATION

CATALOG NUMBER
X2376P

SIZE

100 μ g

FORM

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Western blot

SPECIES REACTIVITY

Human

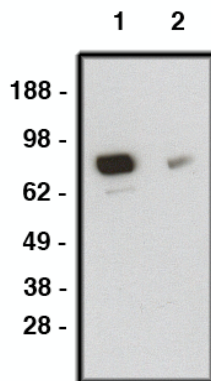
ACCESSION NUMBER

Human Q99835

IMMUNOGEN

Synthetic peptide derived from the human SMO protein

Western blot using SMO antibody (Cat. No. X2376P) on human brain lysate (Cat. No. X1633C). Lysate loaded at 15 μ g/lane. Antibody used at 10 μ g/ml (1) and 5 μ g/ml (2) dilution. Secondary antibody, mouse anti-rabbit-HRP (Cat. No. X1207M), used at 1:150K dilution.



POSITIVE CONTROL/TISSUE EXPRESSION

Brain

COMMENTS

Antibody can be used for Western blotting (1-5 μ g/ml). Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Stone, D.M., et al. The tumour-suppressor gene patched encodes a candidate receptor for Sonic hedgehog.; Nature 384:129-134(1996).
2. Xie, J., et al. Activating Smoothened mutations in sporadic basal-cell carcinoma.; Nature 391:90-92(1998).
3. Liu, Y., et al. 'Fused-Costal2 protein complex regulates Hedgehog-induced Smo phosphorylation and cell-surface accumulation.' Genes Dev. 2007 Aug 1;21(15):1949-63.
4. Moraea, R.C., et al. 'Constitutive activation of smoothened (SMO) in mammary glands of transgenic mice leads to increased proliferation, altered differentiation and ductal dysplasia.' Development. 2007 Mar;134(6):1231-42.
5. Ruiz-Gomez, A., et al. 'The cell biology of Smo signalling and its relationships with GPCRs.' Biochim Biophys Acta. 2007 Apr;1768(4):901-12.

PRODUCT SPECIFIC REFERENCES