

Datasheet for ABIN680908

**anti-SMO antibody (AA 551-650)**

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## Overview

Quantity:	100 µL
Target:	SMO
Binding Specificity:	AA 551-650
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMO antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Smoothened
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	SMO
Alternative Name:	Smoothened homolog ( <a href="#">SMO Products</a> )

## Target Details

Background:	Synonyms: Gx, SMOH, FZD11, Smoothened homolog, SMO, Protein Gx Background: 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 and GLI3 in the cilia.
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Gene ID:	6608
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UniProt:	<a href="#">Q99835</a>
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Pathways:	<a href="#">Hedgehog Signaling</a>
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## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IF(IHC-P) 1:50-200
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	1 µg/µL
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Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
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Preservative:	ProClin
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Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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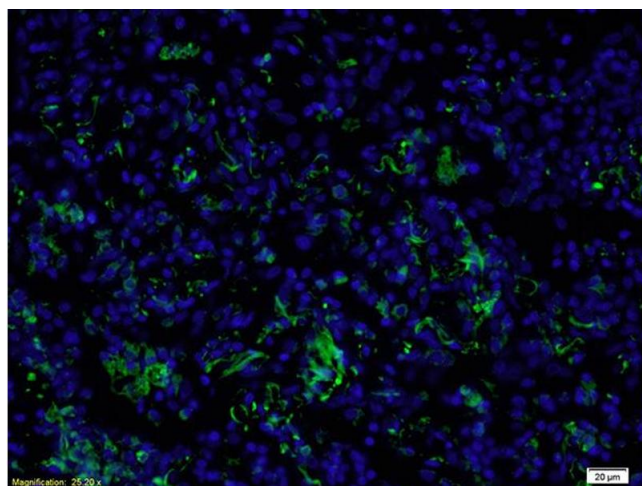
Expiry Date:	12 months
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## Publications

Product cited in:	Zhou, Zhou, Liu, Shen: "GDC-0449 improves the antitumor activity of nano-doxorubicin in pancreatic cancer in a fibroblast-enriched microenvironment." in: <b>Scientific reports</b> , Vol. 7, Issue 1, pp. 13379, (2019) ( <a href="#">PubMed</a> ).
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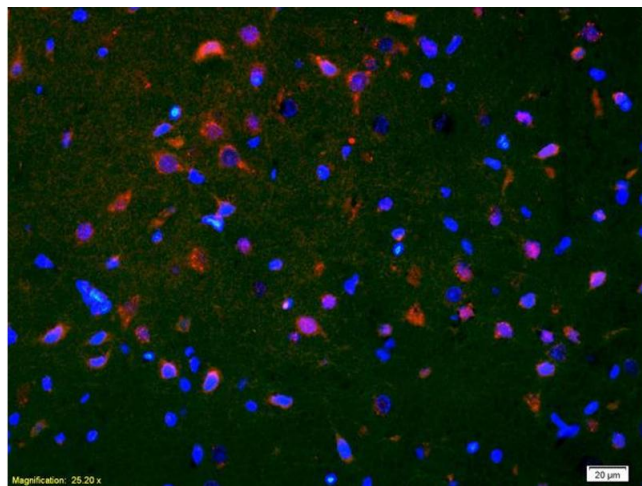
Wang, Zhang, Bai, Wang, Du: "Baicalin Attenuates Alcoholic Liver Injury through Modulation of Hepatic Oxidative Stress, Inflammation and Sonic Hedgehog Pathway in Rats." in: **Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology**, Vol. 39, Issue 3, pp. 1129-40, (2016) ([PubMed](#)).

## Images



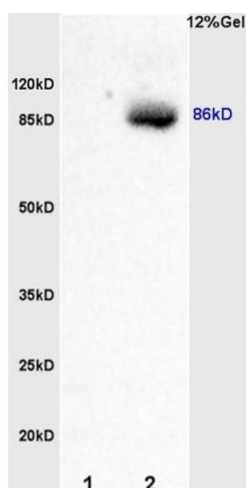
### Immunofluorescence

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-Smoothed/SMO Polyclonal Antibody, Unconjugated (ABIN680908) at 1:200, followed by conjugation to the secondary antibody and DAB staining



### Immunofluorescence

**Image 2.** Formalin-fixed and paraffin-embedded rat brain labeled with Anti-Smoothed/SMO Polyclonal Antibody, Unconjugated (ABIN680908) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C.



#### SDS-PAGE

**Image 3.** L1 rat kidney lysates L2 rat brain lysates probed with Anti Smoothed/SMO Polyclonal Antibody, Unconjugated (ABIN680908) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 86kD. Observed band size:86kD.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN680908.