

Datasheet for ABIN1803980
anti-SMO antibody (1st Extracellular Domain)

2 Images

[Go to Product page](#)

Overview

| | |
|----------------------|--|
| Quantity: | 50 µg |
| Target: | SMO |
| Binding Specificity: | 1st Extracellular Domain |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SMO antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF) |

Product Details

| | |
|---------------|---|
| Brand: | IHC-plus™ |
| Immunogen: | Synthetic 16 amino acid peptide from 1st extracellular domain of human SMO. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey (100%), Marmoset, Mouse, Rat, Bovine, Dog, Bat, Hamster, Elephant, Panda, Horse, Rabbit, Pig, Turkey, Chicken, Platypus, Xenopus (94%), Opossum (88%). Type of Immunogen: Synthetic peptide |
| Specificity: | Human SMO. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| Purification: | Immunoaffinity purified |

Target Details

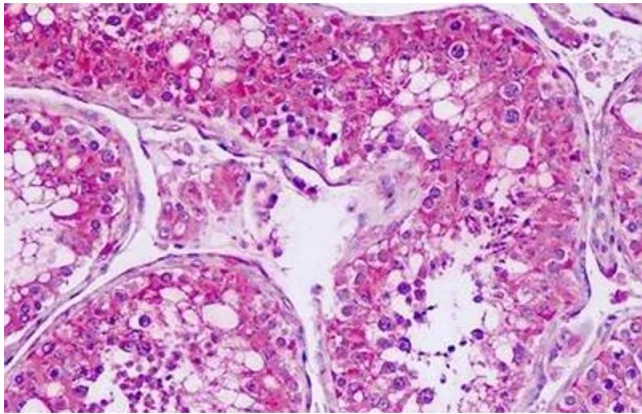
| | |
|-------------------|---|
| Target: | SMO |
| Alternative Name: | SMO / Smoothened (SMO Products) |
| Background: | Name/Gene ID: SMO Subfamily: Frizzled Family: GPCR Synonyms: SMO, Frizzled family member 11, FZD11, Gx, Protein Gx, SMOH, Smoothened, Smoothened homolog |
| Gene ID: | 6608 |
| Pathways: | Hedgehog Signaling |

Application Details

| | |
|--------------------|-----------------------------------|
| Application Notes: | Approved: IF, IHC, IHC-P (1:400) |
| Comment: | Target Species of Antibody: Human |
| Restrictions: | For Research Use only |

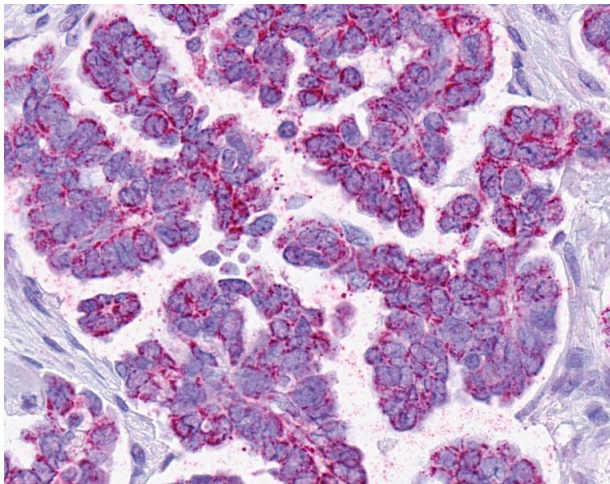
Handling

| | |
|--------------------|---|
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | PBS, less than 0.1 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months |



Immunohistochemistry

Image 1. Human, Testis: Formalin-Fixed Paraffin-Embedded (FFPE)



Immunohistochemistry

Image 2. Anti-SMO / Smoothened antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.