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SMO Antibody (monoclonal) (M10)

Mouse monoclonal antibody raised against a partial recombinant SMO.
Catalog # AT3960a

Specification

SMO Antibody (monoclonal) (M10) - Product Information

Application	**E**
Primary Accession	Q99835
Other Accession	NM_005631
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**86397**

SMO Antibody (monoclonal) (M10) - Additional Information

Gene ID 6608

Other Names
Smoothened homolog, SMO, Protein Gx, SMO, SMOH

Target/Specificity
SMO (NP_005622, 56 a.a. ~ 155 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
SMO Antibody (monoclonal) (M10) is for research use only and not for use in diagnostic or therapeutic procedures.

SMO Antibody (monoclonal) (M10) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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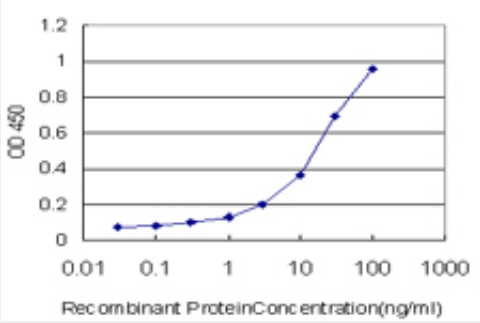
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SMO Antibody (monoclonal) (M10) - Images



Detection limit for recombinant GST tagged SMO is approximately 0.3ng/ml as a capture antibody.

SMO Antibody (monoclonal) (M10) - 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 tranduces signals to other proteins after activation by a hedgehog protein/patched protein complex.

SMO Antibody (monoclonal) (M10) - References

Immunohistochemical expression of SHH, PTC, SMO and GLI1 in glandular odontogenic cysts and dentigerous cysts. Zhang L, et al. Oral Dis, 2010 Jun 18. PMID 20561215.Overexpression of smoothened activates the sonic hedgehog signaling pathway in pancreatic cancer-associated fibroblasts. Walter K, et al. Clin Cancer Res, 2010 Mar 15. PMID 20215540.Smoothened as a new therapeutic target for human osteosarcoma. Hirotsu M, et al. Mol Cancer, 2010 Jan 12. PMID 20067614.Hedgehog signaling maintains hair follicle stem cell phenotype in young and aged human skin. Ritti? L, et al. Aging Cell, 2009 Dec. PMID 20050020.The variant rs1867277 in FOXE1 gene confers thyroid cancer susceptibility through the recruitment of USF1/USF2 transcription factors. Landa I, et al. PLoS Genet, 2009 Sep. PMID 19730683.