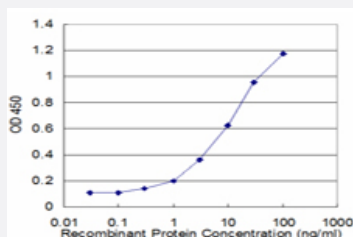


PTCH monoclonal antibody (M05), clone 1B7

Catalog # H00005727-M05

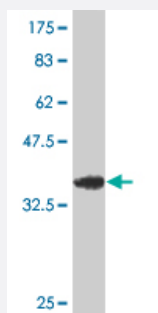
Size 50 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PTCH.

Immunogen

PTCH (NP_000255, 841 a.a. ~ 940 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

PKMWLHYFRDWLQGLQDAFDSDWETGKIMPNNYKNGSDDGVLAYKLLVQTGSRDKPIDISQLTK
QRLVDADGIINPSAFYIYLTAWVSNDPVAYAASQAN

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — PTCH1

Entrez GeneID	5727
GeneBank Accession#	NM_000264
Protein Accession#	NP_000255
Gene Name	PTCH1
Gene Alias	BCNS, FLJ26746, FLJ42602, HPE7, NBCCS, PTC, PTC1, PTCH, PTCH11
Gene Description	patched homolog 1 (Drosophila)
Omim ID	109400 155255 601309 605462 610828
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the patched gene family. The encoded protein is the receptor for sonic hedgehog, a secreted molecule implicated in the formation of embryonic structures and in tumorigenesis, as well as the desert hedgehog and indian hedgehog proteins. This gene functions as a tumor suppressor. Mutations of this gene have been associated with basal cell nevus syndrome, esophageal squamous cell carcinoma, trichoepitheliomas, transitional cell carcinomas of the bladder, as well as holoprosencephaly. Alternative splicing results in multiple transcript variants encoding different isoforms. Additional splice variants have been described, but their full length sequences and biological validity cannot be determined currently. [provided by RefSeq]

Other Designations

OTTHUMP00000021709|OTTHUMP00000021710|PTCH protein +12b|PTCH protein +4'|PTCH protein -10|patched

Pathway

- [Basal cell carcinoma](#)
- [Hedgehog signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Basal Cell Nevus Syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Jaw Neoplasms](#)
- [Liver Neoplasms](#)

- [Lung Diseases](#)
- [Odontogenic Cysts](#)
- [Odontogenic Tumors](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Skin Neoplasms](#)
- [Sleep Apnea](#)
- [Thyroid Neoplasms](#)