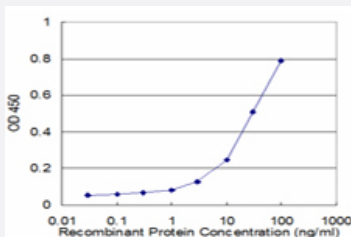


PTCH monoclonal antibody (M06), clone 3B7

Catalog # H00005727-M06

Size 50 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTCH is approximately 1ng/ml as a capture antibody.

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	PKMWLHYFRDWLQGLQDAFSDSWETGKIMPNNYKNGSDDGVLAYKLLVQTGSRDKPIDISQLTK QRLVDADGIINPSAFYYLTAWVSNDPVAYAASQAN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTCH is approximately 1ng/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](#)