PTCH Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PTCH, Monoclonal Antibody
Full Product Name	PTCH (Patched Homolog 1 (Drosophila), BCNS, FLJ26746, FLJ42602, HPE7, NBCCS, PTC, PTC1, PTCH, PTCH11) (MaxLight 650)
Product Gene Name	anti-PTCH antibody
Product Synonym Names	Patched Homolog 1 (Drosophila); BCNS; FLJ26746; FLJ42602; HPE7; NBCCS; PTC; PTC1; PTCH; PTCH11
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3B3
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified
Specificity	Recognizes PTCH.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	144,356 Da
OMIM	109400
3D Structure	ModBase 3D Structure for Q5R1V0
Immunogen	PTCH (NP_000255, 651aa-750aa) full length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AHETQITMQSTVQLRTEYDPHTHVYYTTAEPRSEISVQPVTVTQDTLSCQSPESTSSTRDLLSQFSDSSLHCLEPPCTKWTLSSFAEKHYAPFLLKPKAK*
Conjugate	MaxLight650
Product Categories/Family for anti-PTCH antibody	Antibodies; Tumor Suppressors
Applications Tested/Suitable for anti-PTCH antibody	FLISA, Western Blot (WB)
Application Notes for anti-PTCH antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-PTCH antibody	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 Notes	Small volumes of anti-PTCH antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PTCH purchase	MBS6229459 is an antibody targeting PTCH. Also known as PTCH (Patched Homolog 1 (Drosophila), BCNS, FLJ26746, FLJ42602, HPE7, NBCCS, PTC, PTC1, PTCH, PTCH11) (MaxLight 650). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTCH. It may not necessarily be applicable to this product.

NCBI GI #	134254446
NCBI GeneID	5727
NCBI Accession #	NP_000255
UniProt Primary Accession #	Q5R1V0
UniProt Secondary Accession #	Q13463; Q5R1U7; Q5R1U9; Q5R1V0; Q5VZC0; Q5VZC2; Q86XG7; A3KBI9; E9PEJ8
UniProt Related Accession #	Q13635
GenBank Nucleotide #	NM_000264
NCBI Official Full Name	protein patched homolog 1 isoform L
NCBI Official Synonym Full Names	patched 1
NCBI Official Symbol	PTCH1
NCBI Official Synonym Symbols	PTC; BCNS; HPE7; PTC1; PTCH; NBCCS; PTCH11
UniProt Protein Name	Protein patched homolog 1
UniProt Gene Name	PTCH1
UniProt Synonym Gene Names	PTCH; PTC; PTC1
UniProt Entry Name	PTC1_HUMAN
NCBI Protein Information	protein patched homolog 1; PTCH protein +12b; PTCH protein +4'; PTCH protein -10; PTCH protein -3,4,5
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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