

**PTCH2 Antibody (N-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP13460a

**Specification**

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**PTCH2 Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [O9Y6C5](#)

**PTCH2 Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 8643

**Other Names**

Protein patched homolog 2, PTC2, PTCH2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13460a was selected from the N-term region of PTCH2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PTCH2 Antibody (N-term) Blocking peptide - Protein Information**

Name PTCH2

**Function**

Plays a role in the control of cellular growth (PubMed:<a href="http://www.uniprot.org/citations/18285427" target="\_blank">18285427</a>). May have a role in epidermal development. May act as a receptor for Sonic hedgehog (SHH).

**Cellular Location**

Membrane; Multi-pass membrane protein.

**PTCH2 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **PTCH2 Antibody (N-term) Blocking peptide - Images**

### **PTCH2 Antibody (N-term) Blocking peptide - Background**

This gene encodes a transmembrane receptor of the patched gene family. The encoded protein may function as a tumor suppressor in the hedgehog signaling pathway. Alterations in this gene have been associated with nevoid basal cell carcinoma syndrome, basal cell carcinoma, medulloblastoma, and susceptibility to congenital macrostomia. Alternatively spliced transcript variants have been described.

### **PTCH2 Antibody (N-term) Blocking peptide - References**

Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :Fan, Z., et al. Am. J. Med. Genet. A 149A (3), 521-524 (2009) :Li, T.J., et al. Beijing Da Xue Xue Bao 41(1):16-20(2009)Fan, Z., et al. J. Med. Genet. 45(5):303-308(2008)Rahnama, F., et al. Biochem. J. 378 (PT 2), 325-334 (2004) :