

**OR52I1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19233b****Specification**

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**OR52I1 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q8NGK6](#)

**OR52I1 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 390037

**Other Names**

Olfactory receptor 52I1, Olfactory receptor OR11-13, OR52I1

**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.

**OR52I1 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** OR52I1

**Function**

Odorant receptor.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**OR52I1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**OR52I1 Antibody (C-term) Blocking Peptide - Images****OR52I1 Antibody (C-term) Blocking Peptide - Background**

Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of

G-protein-coupled receptors (GPCR) arising from singlecoding-exon genes. Olfactory receptors share a 7-transmembranedomain structure with many neurotransmitter and hormone receptorsand are responsible for the recognition and G protein-mediatedtransduction of odorant signals. The olfactory receptor gene familyis the largest in the genome. The nomenclature assigned to theolfactory receptor genes and proteins for this organism isindependent of other organisms.

#### **OR52I1 Antibody (C-term) Blocking Peptide - References**

Malhotra, A., et al. Diabetes Metab. Res. Rev. 25(8):740-747(2009)Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004)Vanti, W.B., et al. Biochem. Biophys. Res. Commun. 305(1):67-71(2003)