

**GPR17 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9852c****Specification**

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**GPR17 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q13304](#)

**GPR17 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 2840

**Other Names**

Uracil nucleotide/cysteinyl leukotriene receptor, UDP/CysLT receptor, G-protein coupled receptor 17, P2Y-like receptor, R12, GPR17

**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.

**GPR17 Antibody (Center) Blocking Peptide - Protein Information**

**Name** GPR17

**Function**

Dual specificity receptor for uracil nucleotides and cysteinyl leukotrienes (CysLTs). Signals through G(i) and inhibition of adenylyl cyclase. May mediate brain damage by nucleotides and CysLTs following ischemia.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

Expressed in brain, kidney, heart and umbilical vein endothelial cells. Highest level in brain

**GPR17 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**GPR17 Antibody (Center) Blocking Peptide - Images****GPR17 Antibody (Center) Blocking Peptide - Background**

Members of the G protein coupled receptor (GPCR) superfamily contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. The organization of the GPR17 gene differs from that of many other GPCRs in that the open reading frame is distributed on 2 exons; an additional exon contains the 5 prime untranslated region. Human GPR17 is expressed as 2.3 and 6.3 kb mRNAs exclusively in brain. The 2 transcripts appear to represent alternatively polyadenylated variants. Based on protein sequence homology and the conservation of certain key residues, GPR17 appears to be closely related to the P2Y family of GPCRs. There are two named isoforms.

**GPR17 Antibody (Center) Blocking Peptide - References**

Pugliese, A.M., et al. Am. J. Physiol., Cell Physiol. 297 (4), C1028-C1040 (2009) Parravicini, C., et al. BMC Bioinformatics 9, 263 (2008) Ciana, P., et al. EMBO J. 25(19):4615-4627(2006)