

GPRC5B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16444b**Specification**

GPRC5B Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9NZH0](#)**GPRC5B Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 51704**Other Names**

G-protein coupled receptor family C group 5 member B, A-69G121, Retinoic acid-induced gene 2 protein, RAIG-2, GPRC5B, RAIG2

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.

GPRC5B Antibody (C-term) Blocking Peptide - Protein Information**Name** GPRC5B**Synonyms** RAIG2**Function**

G-protein coupled receptor involved in the regulation of cell volume.

Cellular Location

Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Note=Localized in the plasma membrane and perinuclear vesicles

Tissue Location

Expression is high in kidney, pancreas, and testis, medium in brain, heart, prostate, small intestine, and spleen, low in liver, placenta, skeletal muscle, colon, ovary, and thymus, and not detectable in lung and peripheral leukocyte. According to PubMed:10945465, highly expressed in most brain areas examined, with the highest levels observed in corpus callosum, caudate nucleus, putamen, substantia nigra, thalamus, hippocampus, and spinal cord as well as in dorsal root ganglia (DRG). Expressed in glia limitans, ependymal cells, astrocyte cell bodies, the perivascular region in astrocyte endfeet, but not in neurons (PubMed:37143309). In the periphery, expression levels are relatively low, compared to the CNS, with the strongest expression detected in

pancreas, testis, uterus, and stomach.

GPRC5B Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GPRC5B Antibody (C-term) Blocking Peptide - Images

GPRC5B Antibody (C-term) Blocking Peptide - Background

GPRC5B is a member of the type 3G protein-coupled receptor family. Members of this superfamily are characterized by a signature 7-transmembrane domain motif. The specific function of this protein is unknown; however, this protein may mediate the cellular effects of retinoic acid on the G protein signal transduction cascade.

GPRC5B Antibody (C-term) Blocking Peptide - References

Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) ;Robbins, M.J., et al. Genomics 67(1):8-18(2000)Brauner-Osborne, H., et al. Genomics 65(2):121-128(2000)Loftus, B.J., et al. Genomics 60(3):295-308(1999)