

RAIG2 / GPRC5B Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10730**Specification**

RAIG2 / GPRC5B Antibody (N-Terminus) - Product Information

Application	IHC-P
Primary Accession	Q9NZH0
Reactivity	Human, Mouse, Rabbit, Monkey, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45kDa KDa
Dilution	IHC-P~~N/A

RAIG2 / GPRC5B Antibody (N-Terminus) - Additional Information**Gene ID** 51704**Other Names**

G-protein coupled receptor family C group 5 member B, A-69G12.1, Retinoic acid-induced gene 2 protein, RAIG-2, GPRC5B, RAIG2

Target/Specificity

Human GPRC5B. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

RAIG2 / GPRC5B Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

RAIG2 / GPRC5B Antibody (N-Terminus) - 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.

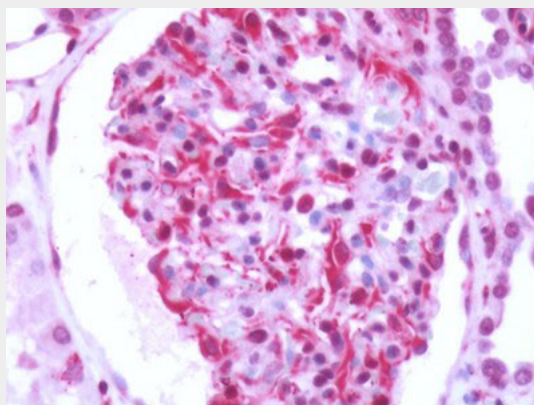
Volume

50 µl

RAIG2 / GPRC5B Antibody (N-Terminus) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RAIG2 / GPRC5B Antibody (N-Terminus) - Images

Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)

RAIG2 / GPRC5B Antibody (N-Terminus) - Background

Unknown. This retinoic acid-inducible G-protein coupled receptor provide evidence for a possible interaction between retinoid and G-protein signaling pathways.

RAIG2 / GPRC5B Antibody (N-Terminus) - References

Braeuner-Osborne H., et al. Genomics 65:121-128(2000).
Robbins M.J., et al. Genomics 67:8-18(2000).
Wei H., et al. Submitted (AUG-1999) to the EMBL/GenBank/DDBJ databases.
Cool B.H., et al. Submitted (DEC-2008) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).