

**RAIG2 / GPRC5B Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10110****Specification**

---

**RAIG2 / GPRC5B Antibody (C-Terminus) - Product Information**

|                   |                                        |
|-------------------|----------------------------------------|
| Application       | IHC                                    |
| Primary Accession | <a href="#">Q9NZH0</a>                 |
| Reactivity        | Human, Monkey, Pig, Horse, Bovine, Dog |
| Host              | Rabbit                                 |
| Clonality         | Polyclonal                             |
| Calculated MW     | 45kDa KDa                              |

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

**RAIG2 / GPRC5B Antibody (C-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

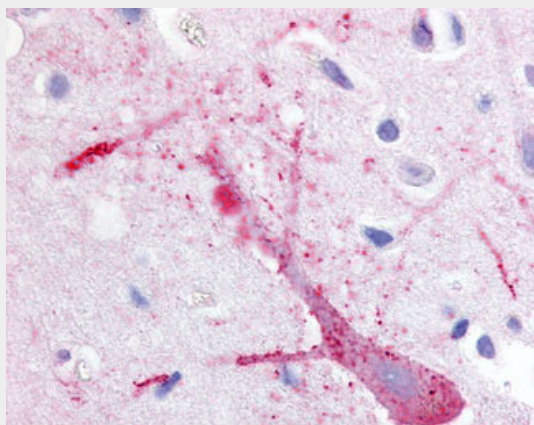
detectable in lung and peripheral leukocyte. According to PubMed:10945465, highly expressed in most brain areas examined, with the highest levels observed in corpus callosum, caudate nucleus, putamen, substantia nigra, thalamus, hippocampus, and spinal cord as well as in dorsal root ganglia (DRG). Expressed 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.

### **RAIG2 / GPRC5B Antibody (C-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 (C-Terminus) - Images**



Anti-RAIG2 / GPRC5B antibody IHC of human brain, cortex neuron.

### **RAIG2 / GPRC5B Antibody (C-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 (C-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/DBJ databases.  
Cool B.H., et al. Submitted (DEC-2008) to the EMBL/GenBank/DBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).