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Anti-GPRC5B Antibody

Catalog # AP53734

Product Information

Application	WB
Primary Accession	Q9NZH0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44795

Additional Information

Gene ID	51704
Other Names	RAIG2; G-protein coupled receptor family C group 5 member B; A-69G12.1; Retinoic acid-induced gene 2 protein; RAIG-2
Target/Specificity	Recognizes endogenous levels of GPRC5B protein.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

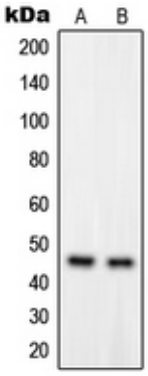
Name	GPRC5B
Synonyms	RAIG2
Function	G-protein coupled receptor involved in the regulation of cell volume.
Cellular Location	Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Note=Localized in the plasma membrane and perinuclear vesicles
Tissue Location	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.

Background

Rabbit polyclonal antibody to GPRC5B

Images



Western blot analysis of GPRC5B expression in HUVEC (A), Jurkat (B) whole cell lysates.