

Goat Anti-PROKR2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2202a

Specification

Goat Anti-PROKR2 Antibody - Product Information

Application	WB
Primary Accession	Q8NFJ6
Other Accession	NP_658986 , 128674 , 192649 (rat)
Reactivity	Human, Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	43996

Goat Anti-PROKR2 Antibody - Additional Information

Gene ID 128674

Other Names

Prokineticin receptor 2, PK-R2, G-protein coupled receptor 73-like 1, GPR73b, GPRg2, PROKR2, GPR73L1, PKR2

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-PROKR2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-PROKR2 Antibody - Protein Information

Name PROKR2

Synonyms GPR73L1, PKR2

Function

Receptor for prokineticin 2. Exclusively coupled to the G(q) subclass of heteromeric G proteins. Activation leads to mobilization of calcium, stimulation of phosphoinositide turnover and activation of p44/p42 mitogen-activated protein kinase.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

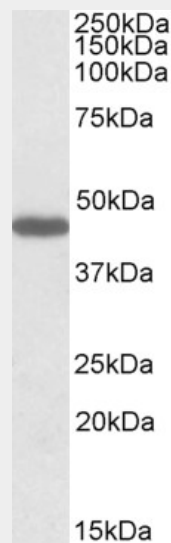
Expressed in the ileocecum, thyroid gland, pituitary gland, salivary gland, adrenal gland, testis, ovary and brain

Goat Anti-PROKR2 Antibody - 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](#)

Goat Anti-PROKR2 Antibody - Images



AF2202a (1 μ g/ml) staining of Rat Stomach lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-PROKR2 Antibody - Background

Prokineticins are secreted proteins that can promote angiogenesis and induce strong gastrointestinal smooth muscle contraction. The protein encoded by this gene is an integral membrane protein and G protein-coupled receptor for prokineticins. The encoded protein is similar in sequence to GPR73, another G protein-coupled receptor for prokineticins.

Goat Anti-PROKR2 Antibody - References

PROKR2 is associated with methamphetamine dependence in the Japanese population. Kishi T, et al. Prog Neuropsychopharmacol Biol Psychiatry, 2010 Aug 16. PMID 20576534.
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success

genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

Divergent roles of prokineticin receptors in the endothelial cells: angiogenesis and fenestration.

Guilini C, et al. Am J Physiol Heart Circ Physiol, 2010 Mar. PMID 20023120.

A comparative phenotypic study of kallmann syndrome patients carrying monoallelic and biallelic mutations in the prokineticin 2 or prokineticin receptor 2 genes. Sarfati J, et al. J Clin Endocrinol Metab, 2010 Feb. PMID 20022991.

Possible association of prokineticin 2 receptor gene (PROKR2) with mood disorders in the Japanese population. Kishi T, et al. Neuromolecular Med, 2009. PMID 19544013.