
Product Name: PKR1 Rabbit Polyclonal Antibody**Catalog #: APRab16229**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:500,ICC/IF 1:100-1:500,ELISA 1:5000-1:20000
Molecular Weight	45kDa

Antigen Information

Gene Name	PROKR1
Alternative Names	PROKR1; GPR73; PKR1; Prokineticin receptor 1; PK-R1; G-protein coupled receptor 73; G-protein coupled receptor ZAQ; GPR73a
Gene ID	10887.0
SwissProt ID	Q8TCW9
Immunogen	The antiserum was produced against synthesized peptide derived from human PKR1. AA range:19-68

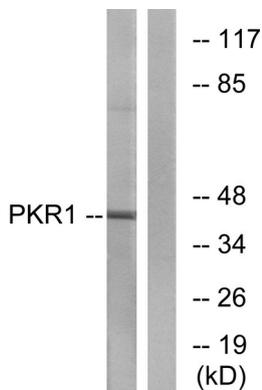
Background

prokineticin receptor 1 (PROKR1) Homo sapiens This gene encodes a member of the G-protein-coupled receptor family. The encoded protein binds to prokineticins (1 and 2), leading to the activation of MAPK and STAT signaling pathways. Prokineticins are protein ligands involved in angiogenesis and inflammation. The encoded protein is expressed in peripheral tissues such as those comprising the circulatory system, lungs, reproductive system, endocrine system and the gastrointestinal system. The protein may be involved in signaling in human fetal ovary during initiation of primordial follicle formation. Sequence variants in this gene may be associated with recurrent miscarriage. [provided by RefSeq, Aug 2016],function:Receptor for prokineticin 1. 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.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed in the stomach, throughout the small intestine, colon, rectum, thyroid gland, pituitary gland, salivary gland, adrenal gland, testis, ovary, brain, spleen, prostate and pancreas.,

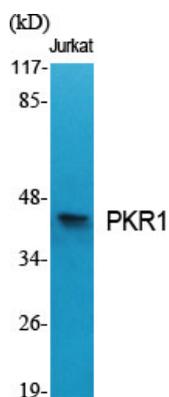
Research Area

Protein Phosphorylation; Ser / Thr Kinases; PKA; Signal Transduction; Second Messenger; Nucleotide Messenger; cAMP; Cancer; Cancer Metabolism; Metabolic signaling pathway; Integration of energy metabolism; Metabolism; Pathways and Processes; Metabolic signaling pathways; Energy transfer pathways; Integration of energy

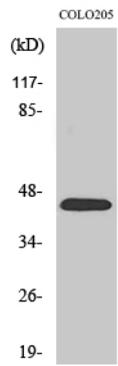
Image Data



Western blot analysis of lysates from COLO cells, using PKR1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using PKR1 Polyclonal Antibody



Western Blot analysis of COLO205 cells using PKR1 Polyclonal Antibody