

PKR1 Polyclonal Antibody

Catalog No :	YT3782
Reactivity :	Human;Mouse;Rat
Applications :	WB;IF;ELISA;IHC
Target :	PKR1
Gene Name :	PROKR1
Protein Name :	Prokineticin receptor 1
Human Gene Id :	10887
Human Swiss Prot No :	Q8TCW9
Mouse Gene Id :	58182
Mouse Swiss Prot No :	Q9JKL1
Rat Gene Id :	192648
Rat Swiss Prot No :	Q8R416
Immunogen :	The antiserum was produced against synthesized peptide derived from human PKR1. AA range:19-68
Specificity :	PKR1 Polyclonal Antibody detects endogenous levels of PKR1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000; IF ICC 1:100-500;ELISA 1:5000-20000;IHC 1:100-500
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 45kD

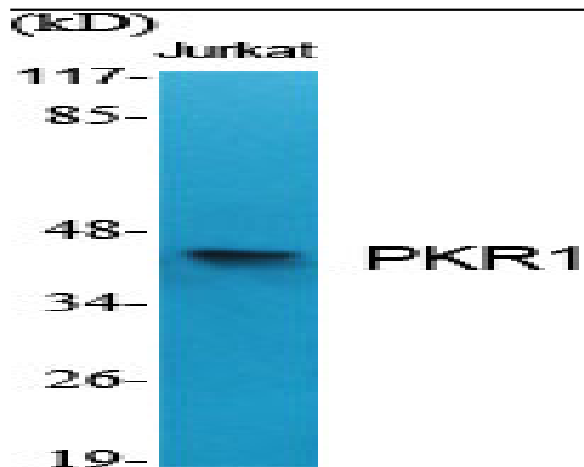
Background : prokineticin receptor 1 (PROKR1) Homo sapiens This gene encodes a member of the G-protein-coupled receptor family. The encoded protein binds to prokineticins (1 and 2), leading to the activation of MAPK and STAT signaling pathways. Prokineticins are protein ligands involved in angiogenesis 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 : 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.,

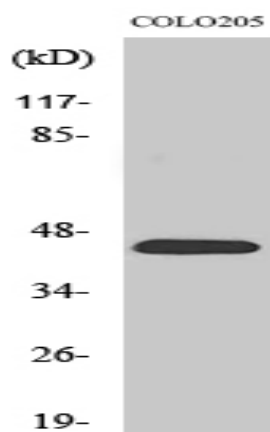
Subcellular Location : Cell membrane; Multi-pass membrane protein.

Expression : Localizes to glandular epithelium, stroma and vascular endothelial cells of first trimester decidua (at protein level). Up-regulated in first trimester decidua when compared with non-pregnant endometrium. 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.

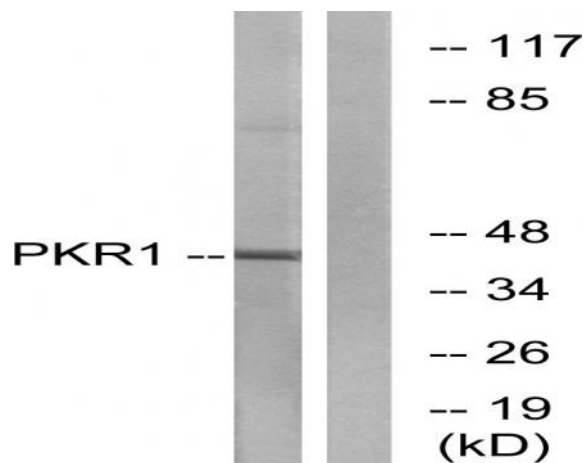
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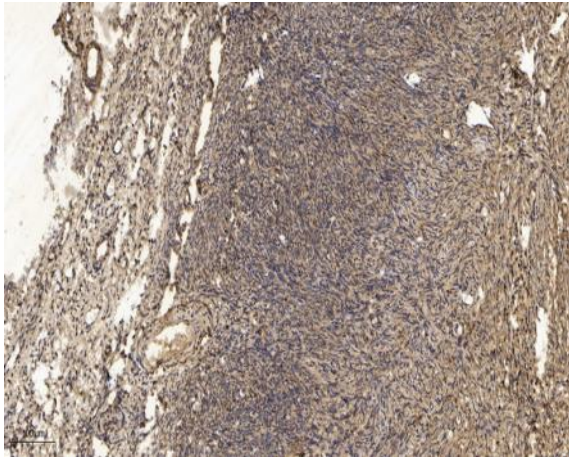
Western Blot analysis of various cells using PKR1 Polyclonal Antibody



Western Blot analysis of COLO205 cells using PKR1 Polyclonal Antibody



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



Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).