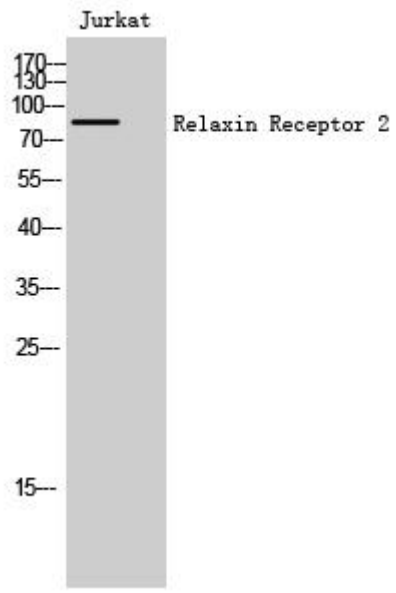
Relaxin Receptor 2 Monoclonal Antibody

Catalog No	BYmab-13667
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RXFP2
Protein Name	Relaxin receptor 2
Immunogen	The antiserum was produced against synthesized peptide derived from human RXFP2. AA range:113-162
Specificity	Relaxin Receptor 2 Monoclonal Antibody detects endogenous levels of Relaxin Receptor 2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RXFP2; GPR106; GREAT; LGR8; Relaxin receptor 2; G-protein coupled receptor 106; G-protein coupled receptor affecting testicular descent; Leucine-rich repeat-containing G-protein coupled receptor 8; Relaxin family peptide receptor 2
Observed Band	86kD
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Expressed mainly in the brain, kidney, muscle, testis, thyroid, uterus, peripheral blood cells and bone marrow.
Function	caution:It is uncertain whether Met-1 or Met-18 is the initiator.,disease:Defects in RXFP2 are a cause of cryptorchidism [MIM:219050]; also known as impaired testicular descent. It is one of the most frequent congenital abnormalities in humans, involving 2-5% of male births. Cryptorchidism is associated with increased risk of infertility and testicular cancer.,function:Receptor for relaxin. The activity of this receptor is mediated by G proteins leading to stimulation of adenylate cyclase and an increase of cAMP. May also be a receptor for Leydig insulin-like peptide (INSL3).,similarity:Belongs to the G-protein coupled receptor 1

	family.,similarity:Contains 1 LDL-receptor class A domain.,similarity:Contains 10 LRR (leucine-rich) repeats.,tissue specificity:Expressed mainly in the brain, kidney, muscle, testis, thyroid, uterus, peripheral blood cells and bone marrow.,
Background	This gene encodes a member of the GPCR (G protein-coupled, 7-transmembrane receptor) family. Mutations in this gene are associated with cryptorchidism. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Relaxin Receptor 2 Monoclonal Antibody