

## Relaxin Receptor 2 Polyclonal Antibody

<b>Catalog No :</b>	YT4042
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC
<b>Target :</b>	Relaxin Receptor 2
<b>Fields :</b>	>>Neuroactive ligand-receptor interaction;>>Relaxin signaling pathway
<b>Gene Name :</b>	RXFP2
<b>Protein Name :</b>	Relaxin receptor 2
<b>Human Gene Id :</b>	122042
<b>Human Swiss Prot No :</b>	Q8WXD0
<b>Mouse Gene Id :</b>	140498
<b>Mouse Swiss Prot No :</b>	Q91ZZ5
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human RXFP2. AA range:113-162
<b>Specificity :</b>	Relaxin Receptor 2 Polyclonal Antibody detects endogenous levels of Relaxin Receptor 2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

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

**Observed Band :** 86kD

**Cell Pathway :** Neuroactive ligand-receptor interaction;

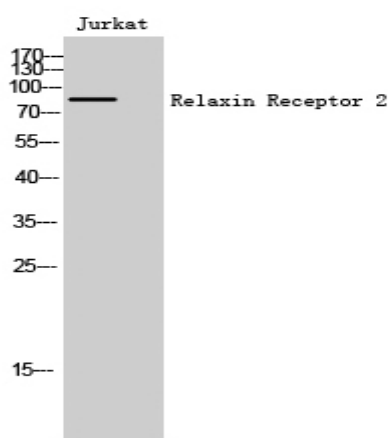
**Background :** This gene encodes a member of the GPCR (G protein-coupled, 7-transmembrane receptor) family. Mutations in this gene are associated with cryptorchidism. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009],

**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.,

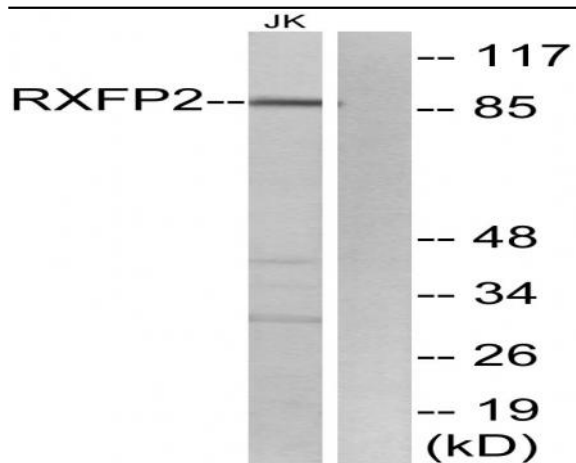
**Subcellular Location :** Cell membrane; Multi-pass membrane protein.

**Expression :** Expressed mainly in the brain, kidney, muscle, testis, thyroid, uterus, peripheral blood cells and bone marrow.

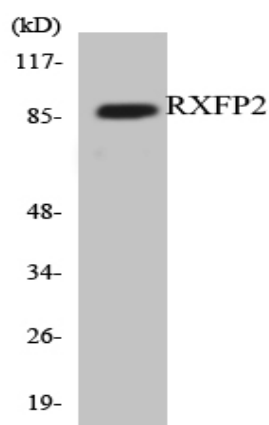
## Products Images



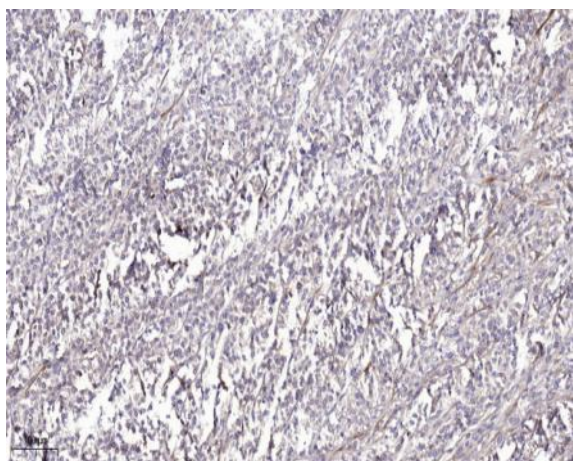
Western Blot analysis of Jurkat cells using Relaxin Receptor 2 Polyclonal Antibody



Western blot analysis of lysates from Jurkat cells, using RXFP2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using RXFP2 antibody.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 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).