SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Progestin Receptor Beta antibody

Catalog Number: SL11410R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Progestin Receptor Beta
Immunogen:	KLH conjugated synthetic peptide derived from human Progestin Receptor Beta: 251-300/354 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse
Predicted MW.:	40kDa
Subcellular Location:	The cell membrane
Background:	The steroid progesterone induces the resumption of maturation in oocytes via a nongenomic pathway through binding to a novel membrane progestin receptor (mPR). This pathway inhibits adenylyl cyclase and reduces intracellular cAMP, and also activates mitogen-activated protein kinase to effect signal transduction pathways. Five distinct groups, designated Alpha, Beta, Gamma, Delta, comprise the mPR gene family. mPR Alpha, also designated progestin and adipo Theta receptor family member VII (PAQR7), consists of an extracellular N-terminus, an intracellular C-terminus and seven transmembrane domains. mPR Alpha is expressed in ovary, testis, placenta, uterus and bladder. mPR Beta, or progestin and adipo Theta receptor family member VIII (PAQR8), consists of eight putative transmembrane regions and an intracellular N-terminus that contains a leucine-rich motif. mPR Beta is a 354 amino acid protein expressed in brain and spinal cord. Both mPR Alpha and mPR Beta may be G protein-coupled receptors and may

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	be involved in oocyte maturation. **Function:** MPRb (Membrane progestin receptor beta) is a steroid membrane receptor and binds progesterone. MPRb may be involved in oocyte maturation. MPRb is an integral membrane protein and is expressed in brain and testis. It belongs to the ADIPOR family. **Subcellular Location:** Cell Membrane. Multi-pass membrane protein. **Note:** Colocalizes with a lysosomal protein cathepsin D. **Similarity:** Belongs to the ADIPOR family. **Database links:** **Entrez Gene:** 85315 Human **Entrez Gene:** 74229 Mouse **Entrez Gene:** 316275 Rat Omim: 607780 Human **SwissProt:** Q8TEZ7 Human **SwissProt:** Q80ZE5 Mouse **SwissProt:** Q6AY03 Pig **Unigene:** 239388 Human

[VALIDATION IMAGES]

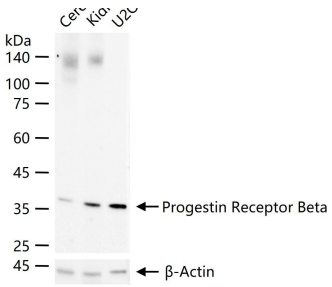


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with Progestin Receptor Beta polyclonal antibody, unconjugated (SL11410R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min

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