



## Rabbit Anti-Progestin Receptor Beta antibody

SL11410R

<b>Product Name:</b>	Progestin Receptor Beta
<b>Chinese Name:</b>	孕激素受体 $\beta$ (MPR $\beta$ ) 抗体
<b>Alias:</b>	MPRB; C6orf33; LMPB1; Lysosomal membrane protein in brain 1; Membrane progestin receptor beta; mPR beta; MPRB; PAQR8; Progestin and adipoQ receptor family member 8; Progestin and adipoQ receptor family member VIII; MPRB HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,.
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	40kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Progestin Receptor Beta:251-300/354<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 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.

**SWISS:**

Q8TEZ7

**Gene ID:**

85315

**Database links:**

[Entrez Gene: 85315](#) Human

[Entrez Gene: 74229](#) Mouse

[Entrez Gene: 316275](#) Rat

[Omim: 607780](#) Human

[SwissProt: Q8TEZ7](#) Human

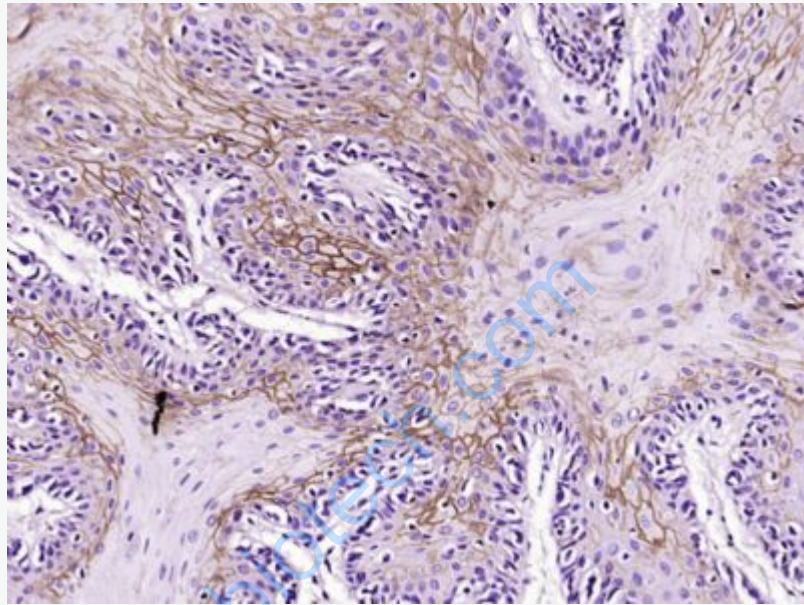
[SwissProt: Q80ZE5](#) Mouse

[SwissProt: Q6AY03](#) Pig

[Unigene: 239388](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (Dog skin tumor); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Progesterin Receptor Beta) Polyclonal Antibody, Unconjugated (SL11410R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.