

bs-11410R**[Primary Antibody]****BioSS**
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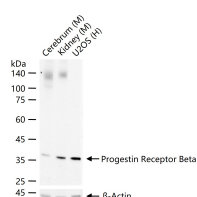
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Progesterin Receptor Beta Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse
GeneID: 85315	SWISS: Q8TEZ7	
Target: Progesterin Receptor Beta		
Immunogen: KLH conjugated synthetic peptide derived from human Progesterin Receptor Beta: 251-300/354. < Extracellular >		Predicted MW.: 40 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The steroid progesterone induces the resumption of maturation in oocytes via a nongenomic pathway through binding to a novel membrane progesterin 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 progesterin 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 progesterin 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.		

VALIDATION IMAGES

25 ug total protein per lane of various lysates (see on figure) probed with Progesterin Receptor Beta polyclonal antibody, unconjugated (bs-11410R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=17.173]** Thomas Topilko. et al. Edinger-Westphal peptidergic neurons enable maternal preparatory nesting. Neuron. 2022 Feb; IHC ;Mouse. 35123655
- **[IF=4.26]** Kasubuchi, Mayu, et al. "Membrane progesterone receptor beta (mPRβ/Paqr8) promotes progesterone-dependent neurite outgrowth in PC12 neuronal cells via non-G protein-coupled receptor (GPCR) signaling." Scientific Reports 7 (2017). WB ;="Mouse". 28701790

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

- **[IF=3.7]** Thiago Almeida-Souza. et al. Sex differences in long-term fear and anxiety-like responses to deep brain stimulation in a preclinical model of PTSD. *Journal of psychiatric research*. 2025 Feb 26;184:198-209. Western Blot ;Rat. 40056639
- **[IF=2.299]** Gao XX et al. Effects of l-arginine on endometrial estrogen receptor α/β and progesterone receptor expression in nutrient-restricted sheep. *Theriogenology*. 2019 Jul 25;138:137-144. IHC,IF,WB ;ewe. 31352175