mPRα (K346) polyclonal antibody

Catalog: BS2813 Host: Rabbit Reactivity: Human

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. Three distinct groups, designated α, β and γ, comprise this gene family. mPRα, also designated progestin and adipoQ receptor family member VII (PAQR7), consists of an extracellular N-terminus, an intracellular C-terminus, and seven transmembrane domains. It is expressed in ovary, testis, placenta, uterus and bladder. mPRβ, also designated progestin and adipoQ receptor family member VIII (PAQR8), consists of eight putative transmembrane regions and an intracellular N-terminus that contains a leucine-rich motif. It is a 354 amino acid protein with a molecular mass of about 40 kDa and is expressed in brain and spinal cord. Both mPRα and mPRβ may be G protein-coupled receptors and may be involved in oocyte maturation.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 40 kDa

Swiss-Prot:

Q86WK9

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IF: 1:50~1:200

Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

mPRα (K346) polyclonal antibody detects endogenous levels of mPRα protein.

DATA:

Note:

For research use only, not for use in diagnostic procedure.

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