

## PBR Rabbit monoclonal antibody

Catalog: BS9815M

Host: Rabbit

Reactivity: Human, Mouse

### BackGround:

Mitochondrial peripheral-type benzodiazepine receptor (PBR) is an indispensable element of the steroidogenic machinery, where it mediates the delivery of cholesterol to the inner mitochondrial side chain cleavage cytochrome P-450 upon ligand activation. PBR is composed of three subunits, an isoquinoline binding site, a voltage-dependent anion channel and an adenine nucleotide carrier. PBR is genetically conserved from bacteria to humans and in humans is widely expressed in peripheral organs, whereas in the brain, it is sparse and located mainly in glial cells. Peroxisome proliferator perfluorodecanoic acid (PFDA) inhibits the Leydig cell steroidogenesis by affecting PBR mRNA stability, thus inhibiting PBR expression, cholesterol transport into the mitochondria and subsequent steroid formation. A cytoplasmic protein, PRAX-1 ( peripheral benzodiazepine receptor-associated protein 1), is found to specifically interact with PBR.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 16 kDa

### Swiss-Prot:

P30536

### Purification&Purity:

Affinity purified

### Applications:

WB: 1:500-1:1000

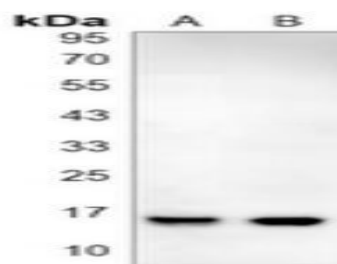
### Storage&Stability:

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

### Specificity:

PBR Rabbit monoclonal antibody detects endogenous levels of PBR protein.

### DATA:



Western blot analysis of PBR expression in HeLa (A), mouse liver (B) whole cell lysates.

### Note:

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

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