



## PRODUCT DATA SHEET

**Product:** Anti-PBR pAb

**Cat. No.:** PC-374 (100 µg)

**Background:**

Peripheral-type benzodiazepine receptor (PBR) is a ubiquitous protein (18 kDa) found in most steroidogenic tissues. It is located primarily in the outer mitochondrial membrane of steroid-producing tissues and is found in association with a 34 kDa voltage-dependent anion channel protein (VDAC). PBR is involved in the regulation of cholesterol transport from the outer to the inner mitochondrial membrane. It is thought to be part of the mitochondrial permeability transition pore (PT) and to be involved in apoptosis.

**Specificity:**

Recognizes PBR.

**Species Reactivity:**

Human, mouse and rat. Other species not tested.

**Host:**

Rabbit

**Immunogen:**

Synthetic peptide surrounding amino acid 81 of mouse PBR.

**Format:**

100 µg of affinity-purified rabbit polyclonal antibody at 0.2 mg/mL. Antibody in phosphate buffered saline (PBS) pH 7.2, containing 30% glycerol, 0.01% thimerosal, and protein stabilizer.

**Storage:**

Store at -20°C. For long term storage, the antibody should be aliquoted and stored at -70°C. Avoid freeze/thaw cycles.

**Applications and Suggested Dilutions:**

- Immunohistochemistry: Use at 10-20 µg/mL.
- Western blot: Use at 0.5-4 µg/mL.

The optimal dilution for a specific application should be determined by the researcher.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.