PBR Polyclonal Antibody

CATALOG NO: 3044-30T 30 µg (Trial size)
3044-100 100 µg

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 81 of mouse PBR (ID# BV-44)

SPECIES REACTIVITY: Human, Mouse, Rat

FORMULATION: 0.5 mg/ml affinity purified rabbit anti-PBR polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS: Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

BACKGROUND DESCRIPTION: PBR (Peripheral-type Benzodiazepine Receptor) 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.

APPLICATION AND USAGE: The antibody can be used for Western blotting (0.5-4 µg/ml) and Immunohistochemistry (2.5 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat. # 3044BP-50) is available separately.

FOR RESEARCH USE ONLY! Not to be used on humans.