

PBR Antibody
Rabbit mAb
Catalog # AP90439

Specification

PBR Antibody - Product Information

| | |
|---|------------------------|
| Application | WB, IHC, FC, ICC, IP |
| Primary Accession | P30536 |
| Clonality | Monoclonal |
| Other Names | |
| TSPO; PBR; BZRP; IBP; MBR; PKBS; Mitochondrial benzodiazepine receptor; Peripheral benzodiazepine receptor; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 18828 Da |

PBR Antibody - Additional Information

| | |
|------------------------------|--|
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human PBR |
| Description | 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. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

PBR Antibody - Protein Information

Name TSPO

Synonyms BZRP, MBR

Function

Can bind protoporphyrin IX and may play a role in the transport of porphyrins and heme (By similarity). Promotes the transport of cholesterol across mitochondrial membranes and may play a role in lipid metabolism (PubMed:24814875), but its precise physiological role is controversial. It is

apparently not required for steroid hormone biosynthesis. Was initially identified as peripheral-type benzodiazepine receptor; can also bind isoquinoline carboxamides (PubMed:1847678).

Cellular Location

Mitochondrion membrane; Multi-pass membrane protein

Tissue Location

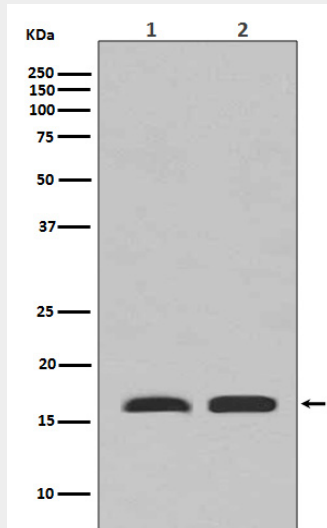
Found in many tissue types. Expressed at the highest levels under normal conditions in tissues that synthesize steroids.

PBR Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PBR Antibody - Images



Western blot analysis of Calreticulin expression in (1) U87-MG cell lysate; (2) A431 cell lysate.