

PBR Antibody

Rabbit mAb

Catalog # AP90439

Product Information

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

Additional Information

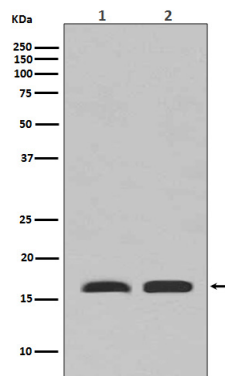
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|-------------------------------------|---|
| Dilution | WB 1:5000~1:10000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50 |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human PBR |
| Description | Peroxisome 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. |

Protein Information

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|--------------------------|--|
| 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.

Images



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

Image not found : 202311/AP90439-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human colon, using PBR Antibody .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.