

# PBR Antibody

Rabbit mAb

Catalog # AP90439

## Product Information

<b>Application</b>	WB, IHC, IF, FC, ICC, IP, IHF
<b>Primary Accession</b>	<a href="#">P30536</a>
<b>Reactivity</b>	Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	TSPO; PBR; BZRP; IBP; MBR; PKBS; Mitochondrial benzodiazepine receptor; Peripheral benzodiazepine receptor;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	18828

## Additional Information

<b>Dilution</b>	WB 1:5000~1:10000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human PBR
<b>Description</b>	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.
<b>Storage Condition and Buffer</b>	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.

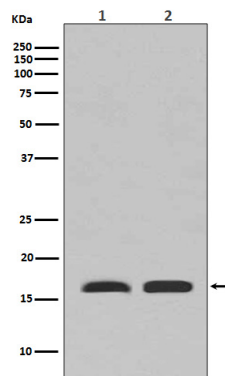
## Protein Information

<b>Name</b>	TSPO
<b>Synonyms</b>	BZRP, MBR
<b>Function</b>	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: <a href="#">24814875</a> ), 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: <a href="#">1847678</a> ).
<b>Cellular Location</b>	Mitochondrion membrane; Multi-pass membrane protein
<b>Tissue Location</b>	Found in many tissue types. Expressed at the highest levels under normal

conditions in tissues that synthesize steroids.

## Images

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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'.