

# PBR Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51876

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P30536</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	18828

## Additional Information

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<b>Gene ID</b>	706
<b>Other Names</b>	Translocator protein, Mitochondrial benzodiazepine receptor, PKBS, Peripheral-type benzodiazepine receptor, PBR, TSPO, BZRP, MBR
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PBR. The exact sequence is proprietary.
<b>Dilution</b>	WB~~ 1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<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.

## Background

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Responsible for the manifestation of peripheral-type benzodiazepine recognition sites and is most likely to comprise binding domains for benzodiazepines and isoquinoline carboxamides. May play a role in the transport of porphyrins and heme. Plays a role in the transport of cholesterol across mitochondrial membranes in steroidogenic cells (By similarity).

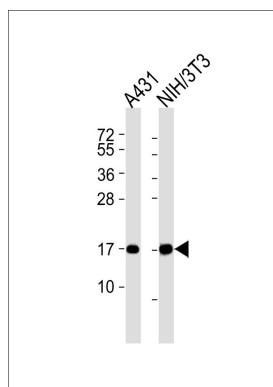
## References

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Riond J.,et al.Eur. J. Biochem. 195:305-311(1991).  
Yakovlev A.G.,et al.Gene 155:201-205(1995).  
Costa B.,et al.Mol. Pharmacol. 69:37-44(2006).  
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).

## Images

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All lanes : Anti-PBR Antibody at 1:1000 dilution Lane 1:  
A431 whole cell lysates Lane 2: NIH/3T3 whole cell lysates  
Lysates/proteins at 20 µg per lane. Secondary Goat  
Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000  
dilution Predicted band size : 19 kDa Blocking/Dilution  
buffer: 5% NFDM/TBST.

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