

PBR Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51876

Product Information

Application	WB
Primary Accession	P30536
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18828

Additional Information

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

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.

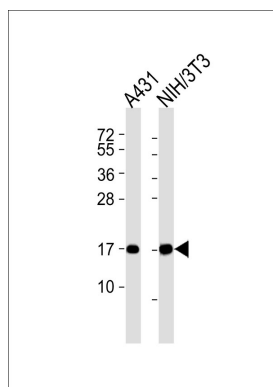
Background

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

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



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'.