10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PBR Antibody

Rabbit mAb
Catalog # AP90439

Product Information

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

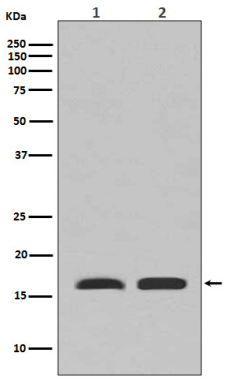
Dilution	WB 1:5000~1:10000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PBR
Description	Peroxisome proliferator perfluordecanoic acid (PFDA) inhibits the Leydig cell steroidogenesis by affecting PBR mRNA stability, 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

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'.