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

TSPO/PBR Rabbit pAb

Catalog # AP99370

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	B1AH88
Other Accession	B1AH88
Reactivity	Rat, Human, Mouse
Predicted	Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10537
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PBR
Epitope Specificity	31-130/169
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TspO/BZRP family.
SUBUNIT	Interacts with TSPOAP1 (By similarity). May interact with STAR (By similarity). Interacts with MOST-1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PBR (Peripheral type Benzodiazepine Receptor) is a ubiquitous protein (18 kDa) found in most steroidogenic tissues. It is located primarily in the outer mitochondrial membrane of steroid producing tissues and is found in association with a 34 kDa voltage dependent anion channel protein (VDAC). PBR interacts with some benzodiazepines and has different affinities than its endogenous counterpart. PBR appears to be a key factor in the transport of cholesterol from the outer to the inner mitochondrial membrane to permit the initiation of steroid hormone synthesis. It is thought to be part of the mitochondrial permeability transition pore (PT) and to be involved in apoptosis. It is speculated that patients with congenital lipoid adrenal hyperplasia, who cannot make any steroids, might have a genetic lesion in BZRP. A short form, PBRS is also expressed in the same tissues, but at a level about ten times that of PBR.

Additional Information

Other Names	BPBS; BZRP; DBI; IBP; MBR; PBR; PBS; PKBS; PTBR; TSPO1; mDRC; pk18; TSPOB_HUMAN; TSPO; PBRS; TSPO_HUMAN; Mitochondrial benzodiazepine receptor; Peripheral-type benzodiazepine receptor (PBR); TSPO_MOUSE; translocator protein; benzodiazapine receptor (peripheral); translocator protein (18kDa); peripheral-type benzodiazepine receptor/recognition site
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/test

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TSPO
Synonyms	PBRS
Tissue Location	Ubiquitous.

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