

Rabbit anti-Human TSPO Polyclonal Antibody | anti-TSPO antibody

TSPO Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327426	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

TSPO; Polyclonal Antibody; TSPO Antibody; Benzodiazepine receptor (peripheral); Benzodiazepine peripheral binding site; BPBS; BZRP; DBI; IBP; Isoquinoline carboxamide-binding protein; MBR; mDRC; Mitochondrial benzodiazepine receptor; PBR; PBS; Peripheral benzodiazepine receptor; Peripheral benzodiazepine receptor-related protein; Peripheral type benzodiazepine receptor; Peripheral-type benzodiazepine receptor; pk18; PKBS; PTBR; Ptbzr; PTBZR02; RATPTBZR02; translocator protein (18kDa); Translocator protein; Tspo; Tspo1; TSPOA_HUMAN; anti-TSPO antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	TSPO antibody detects endogenous levels of total TSPO
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	169
Applicable Applications for anti-TSPO antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TSPO
Subcellular Location	Mitochondrion
Tissue Specificity	Found in many tissue types. Expressed at the highest levels under normal conditions in tissues that synthesize steroids.
Predicted Cross Reactivity	Dog
Similarity	Dog (85%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327426 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of TSPO using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-TSPO antibody

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).
Subunit Structure: Interacts with TSPOAP1 (By similarity). May interact with STAR (By similarity). Interacts with MOST-1.
Similarity: Belongs to the TspO/BZRP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74275350
NCBI GeneID	706
NCBI Accession #	NP_000705.2
NCBI GenBank Nucleotide #	NM_000714.5
UniProt Accession #	P30536; Q53Y59; Q6ICF9; Q96TF6
Molecular Weight	Observed: 19 kDa Predicted: 19 kDa
NCBI Official Full Name	translocator protein
NCBI Official Synonym Full Names	translocator protein
NCBI Official Symbol	TSPO
NCBI Official Synonym Symbols	DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18
NCBI Protein Information	translocator protein
UniProt Protein Name	Translocator protein
UniProt Gene Name	TSPO
UniProt Synonym Gene Names	BZRP; MBR; PBR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.