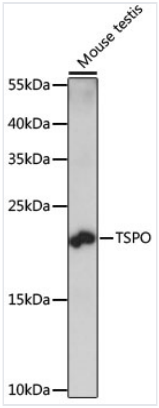
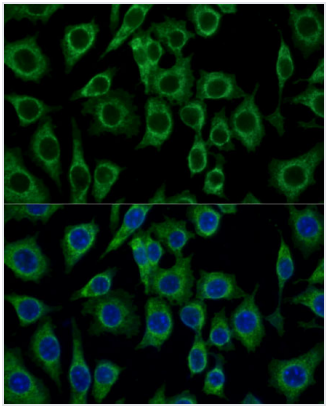
TSPO Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TSPO, Polyclonal Antibody
Full Product Name	TSPO Rabbit Polyclonal Antibody
Product Gene Name	anti-TSPO antibody
Product Synonym Names	TSPO; BPBS; BZRP; DBI; IBP; MBR; PBR; PBS; PKBS; PTBR; mDRC; pk18
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	10,537 Da
3D Structure	ModBase 3D Structure for P30536
Immunogen	Recombinant fusion protein of human TSPO (NP_000705.2).
Product Categories/Family for anti-TSPO antibody	Primary Antibody
Applications Tested/Suitable for anti-TSPO antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-TSPO antibody	WB: 1:500-1:2000 IF: 1:50-1:100
Related Product Information for anti-TSPO antibody	Present mainly in the mitochondrial compartment of peripheral tissues, the protein encoded by this gene interacts with some benzodiazepines and has different affinities than its endogenous counterpart. The protein is a key factor in the flow of cholesterol into mitochondria to permit the initiation of steroid hormone synthesis. Alternatively spliced transcript variants have been reported; one of the variants lacks an internal exon and is considered non-coding, and the other variants encode the same protein.
Other Notes	Small volumes of anti-TSPO antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TSPO purchase	MBS9465284 is an antibody targeting TSPO. Also known as TSPO Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-TSPO antibody
Western blot analysis of extracts of mouse testis, using TSPO at 1:1000 dilution.



Immunofluorescence (IF) of anti-TSPO antibody
Immunofluorescence analysis of L929 cells using TSPO Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TSPO. It may not necessarily be applicable to this product.

NCBI GI #	375065827
NCBI GeneID	706
NCBI Accession #	NP_001243460.1
UniProt Primary Accession #	P30536
UniProt Secondary Accession #	Q53Y59; Q6ICF9; Q96TF6
UniProt Related Accession #	P30536
GenBank Nucleotide #	NM_001256531.1
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
UniProt Protein Name	Translocator protein
UniProt Synonym Protein Names	Mitochondrial benzodiazepine receptor; PKBS; Peripheral-type benzodiazepine receptor; PBR
Protein Family	Putative peripheral benzodiazepine receptor-related protein
UniProt Gene Name	TSPO
UniProt Synonym Gene Names	BZRP; MBR; PBR
NCBI Protein Information	translocator protein
UniProt Comments for TSPO	Can bind protoporphyrin IX and may play a role in the transport of porphyrins and heme (). 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).
Research Articles on TSPO	**1.** Suggest that altered TSPO distribution in the cerebellum, and potentially in other regions (e.g. the hippocampus), may be a marker of pathophysiology in systemic lupus erythematosus.

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