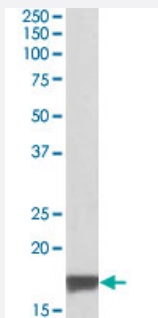


# TSPO polyclonal antibody

Catalog # PAB7095

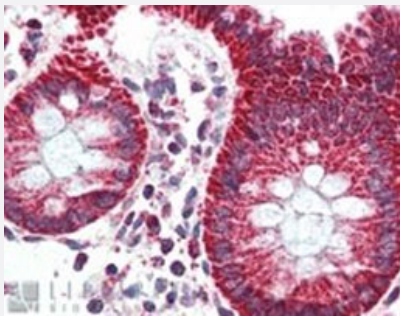
Size 100 ug

## Applications



### Western Blot (Tissue lysate)

TSPO polyclonal antibody (Cat # PAB7095) (0.1 ug/mL) staining of human brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

TSPO polyclonal antibody (Cat # PAB7095) (2.5 ug/mL) staining of paraffin embedded human colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

## Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TSPO.
Immunogen	A synthetic peptide corresponding to human TSPO.
Sequence	C-RDNHGWRGGRRRLPE
Host	Goat
Theoretical MW (kDa)	18.8
Reactivity	Human
Specificity	This antibody is expected to recognize one isoform (NP_000705.2) only.

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:128000) Western Blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — TSPO

Entrez GeneID	<a href="#">706</a>
Protein Accession#	<a href="#">NP_000705.2</a>
Gene Name	TSPO
Gene Alias	BZRP, DBI, IBP, MBR, PBR, PKBS, PTBR, mDRC, pk18
Gene Description	translocator protein (18kDa)

Omim ID	<a href="#">109610</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	OTTHUMP00000028891 benzodiazepine peripheral binding site mitochondrial benzodiazepine receptor peripheral benzodiazepine receptor peripheral-type benzodiazepine receptor translocator protein

## Publication Reference

- [Kinetic modelling of \[11C\]PBR28 for 18 kDa translocator protein PET data: A validation study of vascular modelling in the brain using XBD173 and tissue analysis.](#)

Veronese M, Reis Marques T, Bloomfield PS, Rizzo G, Singh N, Jones D, Agushi E, Mosses D, Bertoldo A, Howes O, Roncaroli F, Turkheimer FE.

Journal of Cerebral Blood Flow and Metabolism 2017 Jan; 271678X17712388.

Application: IF, IHC-P, Human, Human brain

- [Translocator protein \(18kDa\): new nomenclature for the peripheral-type benzodiazepine receptor based on its structure and molecular function.](#)

Papadopoulos V, Baraldi M, Guilarte TR, Knudsen TB, Lacapere JJ, Lindemann P, Norenberg MD, Nutt D, Weizman A, Zhang MR, Gavish M.

Trends in Pharmacological Sciences 2006 Aug; 27(8):402.

Application: IF, WB, Human, Human mammalian cells

## Pathway

- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)

- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Mood Disorders](#)
- [Panic Disorder](#)
- [Social Perception](#)
- [Urinary Bladder Neoplasms](#)