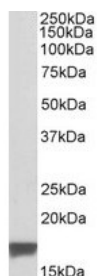


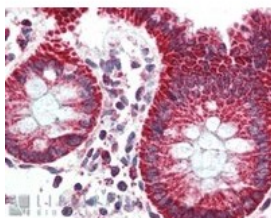


## TSPO Antibody

CATALOG NUMBER: 46-538



Western blot analysis of TSPO in human brain lysate (35 ug protein in RIPA buffer) using TSPO Antibody at 0.1 ug/mL.



Immunohistochemistry staining of TSPO in human colon using TSPO Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, IHC, WB
<b>APPLICATIONS:</b>	ELISA: Antibody detection limit dilution 1:128,000. Approximately 35 kDa band observed in human brain lysates (calculated MW of 18.8 kDa according to NP_000705.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Delavoie et al, Biochemistry. 2003 Apr 22;42 (15) :4506-19.; PMID: 12693947). Recommended concentration: 0.1-0.3 ug/mL. Approximately 17 kDa band observed in human breast carcinoma lysates (calculated MW of 18.8 kDa according to NP_000705.2). Recommended concentration: 0.1-0.3 ug/mL.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1323 - Human Breast Tumor Tissue Lysate
<b>SPECIFICITY:</b>	This antibody is expected to recognize one isoform (NP_000705.2) only.
<b>IMMUNOGEN:</b>	TSPO antibody was raised against a 14 amino acid synthetic peptide near the C-Terminus of TSPO.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	TSPO antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	TSPO antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	TSPO, translocator protein (18 kDa), BZRP, DBI, IBP, MBR, PBR, PKBS, PTBR, mDRC, pk18, OTTHUMP00000028891, benzodiazepine receptor (peripheral), benzodiazepine peripheral binding site,
-------------------------	--

mitochondrial benzodiazepine receptor, peripheral benzodiazepine receptor, peripheral-type benzodiazepine receptor

**ACCESSION NO.:** NP\_000705.2

**PROTEIN GI NO.:** 74275350

**OFFICIAL SYMBOL:** TSPO

**GENE ID:** 706

### Background

**REFERENCES:** 1) Papadopoulos V, Baraldi M, Guilarte TR, Knudsen TB, Lacapere JJ, Lindemann P, Norenberg MD, Nutt D, Weizman A, Zhang MR, Gavish M. Translocator protein (18 kDa): new nomenclature for the peripheral-type benzodiazepine receptor based on its structure and molecular function. Trends Pharmacol Sci. 2006 Aug;27(8):402-9. Epub 2006 Jul 5. Review.

**FOR RESEARCH USE ONLY**

December 13, 2016