

Goat anti-Human TSPO / PBR Polyclonal Antibody | anti-TSPO antibody

Goat Polyclonal to Human TSPO / PBR

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50922	Goat	Human	ELISA, Western Blot, Immunohistochemistry

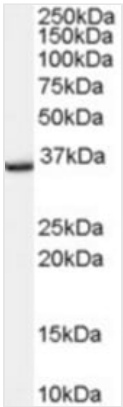
PRODUCT SYNONYMS

TSPO / PBR; Polyclonal Antibody; Goat Polyclonal to Human TSPO / PBR; Anti-TSPO / PBR Antibody (C-Terminus) IHC-plus; TSPO; BZRP; BPBS; IBP; MBR; MDRC; PBR; PBRS; PBS; PKBS; PTBR; Pk18; Translocator protein; Translocator protein (18kDa); Human TSPO; anti-TSPO antibody

PRODUCT SPECIFICATIONS

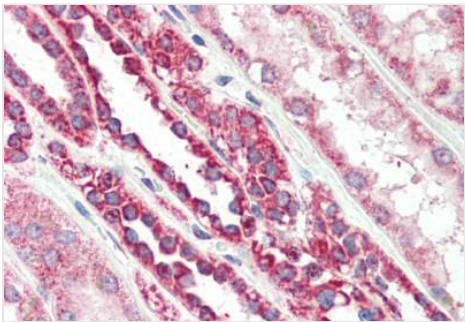
Host	Goat
Reactivity	Human
Clonality	Polyclonal
Specificity	Human TSPO. This antibody is expected to recognise one isoform (NP_000705.2) only.
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	TBS, pH 7.3, 0.02% Sodium Azide, 0.5% BSA
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	169
Applicable Applications for anti-TSPO antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Epitope	aa156-169
Target	TSPO/ PBR
Immunogen Species	TSPO/PBR antibody was raised against Human
Immunogen	TSPO / PBR antibody was raised against peptide with sequence C-RDNHGWRGGRRRLPE from the C-terminus of protein sequence according to NP_000705.2.
Usage	Immunohistochemistry: It was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B3245 was determined to be 2.5 ug/ml.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store at -20°C. Avoid freeze-thaw cycles.



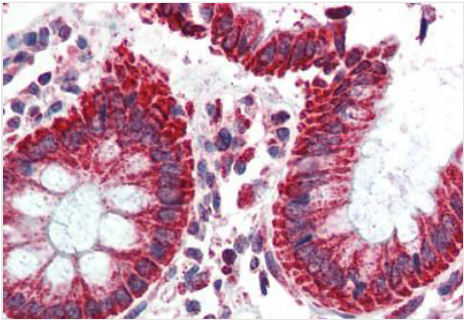
WB (Western Blot)

Antibody (0.1 ug/ml) staining of Human Brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-TSPO / PBR antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)

Anti-TSPO / PBR antibody IHC of human colon. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

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
NCBI Official Full Name	translocator protein
NCBI Official Synonym Full Names	translocator protein (18kDa)
NCBI Official Symbol	TSPO
NCBI Official Synonym Symbols	DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18
NCBI Protein Information	translocator protein; mitochondrial benzodiazepine receptor; benzodiazepine peripheral binding site; peripheral-type benzodiazepine receptor
UniProt Protein Name	Translocator protein
UniProt Gene Name	TSPO
UniProt Synonym Gene Names	BZRP; MBR; PBR
UniProt Entry Name	TSPOA_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tspo-pbr-antibody-western-blot-immunohistochemistry-elisa/50922>