



[Go to Product page](#)

Datasheet for ABIN7101738

## anti-TSPO antibody

### 4 Images

#### Overview

Quantity:	20 µL
Target:	TSPO
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This TSPO antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	A synthesized peptide derived from human PBR/TSPO
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	TSPO
Alternative Name:	TSPO ( <a href="#">TSPO Products</a> )
Background:	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

## Target Details

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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. [provided by RefSeq, Feb 2012],BPBS, BZRP, DBI, IBP, MBR, PBR, PBS, PKBS, PTBR, mDRC, pk18,Apoptosis,Calcium Signaling,Cancer,Cardiovascular,Cell Biology & Developmental Biology,Endocrine & Metabolism,Lipid Metabolism,Lipid Metabolism\_Cholesterol Metabolism,Lipids,Mitochondrial metabolism,Mitochondrial metabolism\_Mitochondrial markers,Neuroscience,Signal Transduction,TSPO

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Molecular Weight: 18 kDa

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Gene ID: 706

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UniProt: [P30536](#)

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Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

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Restrictions: For Research Use only

## Handling

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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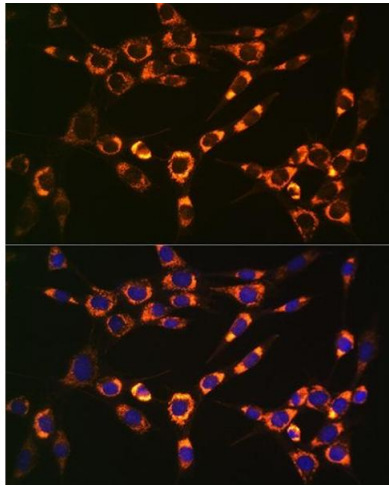
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

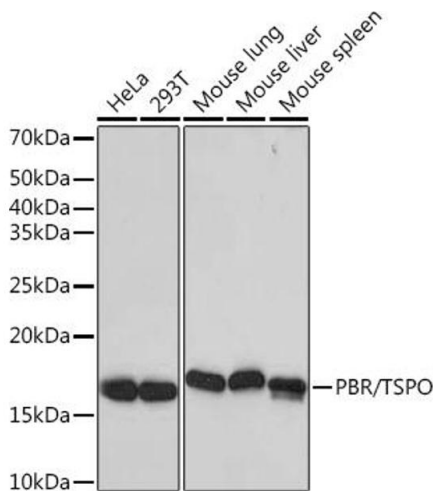
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



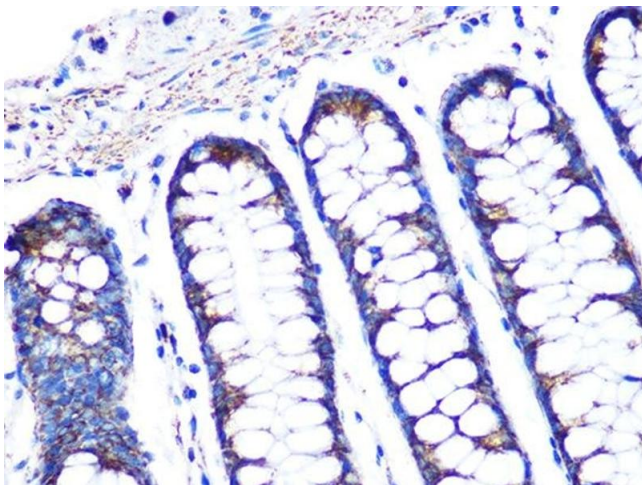
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using PBR/TSPORabbit mAb (ABIN1679051, ABIN3019258, ABIN3019259 and ABIN7101738) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using PBR/TSPORabbit mAb (ABIN1679051, ABIN3019258, ABIN3019259 and ABIN7101738) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human colon using PBR/TSPORabbit mAb (ABIN1679051, ABIN3019258, ABIN3019259 and ABIN7101738) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7101738.