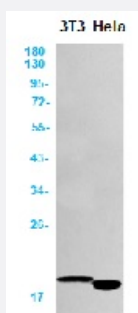


RecomAb™

# TSPO recombinant monoclonal antibody, clone R01-7E6

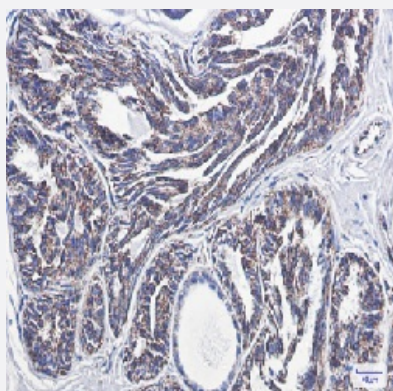
Catalog # RAB01697      Size 100 uL

## Applications



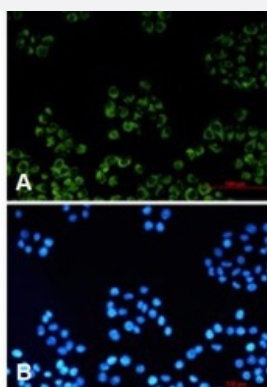
### Western Blot

Western blot analysis of PBR/TSPO in 3T3, HeLa lysates using human PBR recombinant monoclonal antibody, clone R01-7E6 (Cat # RAB01697).



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

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human breast cancer with PBR recombinant monoclonal antibody, clone R01-7E6 (Cat # RAB01697).



### Immunocytochemistry

Immunocytochemical staining of HeLa with PBR/TSPO recombinant monoclonal antibody, clone R01-7E6 (Cat # RAB01697). (A) PBR/TSPO (green) and (B) DAPI (blue).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human PBR.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human PBR
<b>Theoretical MW (kDa)</b>	Calculated MW: 11 kD
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
<b>Storage Instruction</b>	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of PBR/TSP0 in 3T3, Hela lysates using human PBR recombinant monoclonal antibody, clone R01-7E6 (Cat # RAB01697).

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

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human breast cancer with PBR recombinant monoclonal antibody, clone R01-7E6 (Cat # RAB01697).

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

Immunocytochemical staining of Hela with PBR/TSP0 recombinant monoclonal antibody, clone R01-7E6 (Cat # RAB01697). (A) PBR/TSP0 (green) and (B) DAPI (blue).

- Immunoprecipitation

## Gene Info — TSPO

Entrez GeneID [706](#)

Protein Accession# [B1AH88](#)

Gene Name TSPO

Gene Alias BZRP, DBI, IBP, MBR, PBR, PKBS, PTBR, mDRC, pk18

Gene Description translocator protein (18kDa)

Omim ID [109610](#)

Gene Ontology [Hyperlink](#)

**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

## 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](#)