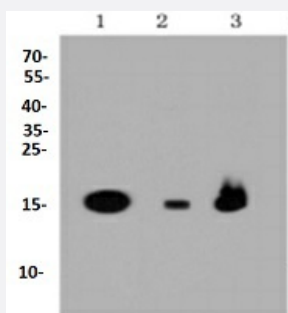


RecomAb™

TSPO recombinant monoclonal antibody

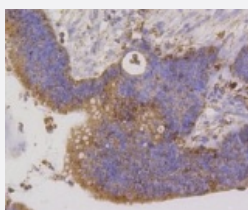
Catalog # RAB02650 Size 100 uL

Applications



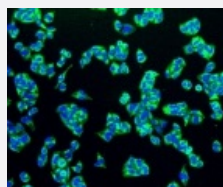
Western Blot (Cell lysate)

Western blot analysis of Lane1:293T whole cell lysate Lane2:NIH/3T3 whole cell lysate Lane3:HepG2 whole cell lysate with TSPO recombinant monoclonal antibody (Cat # RAB02650) at 1:1000 dilution.



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

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using TSPO recombinant monoclonal antibody (Cat # RAB02650). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of human HeLa cells using TSPO recombinant monoclonal antibody (Cat # RAB02650)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against human TSPO.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant human TSPO.
Theoretical MW (kDa)	18
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of PBR and does not cross-react with related proteins.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:10-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS , pH7.2 (0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — TSPO

Entrez GeneID [706](#)

Protein Accession# [P30536](#)

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](#)