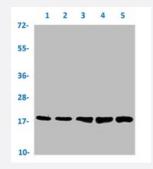


RecomAb™

TSPO recombinant monoclonal antibody, clone 23G2

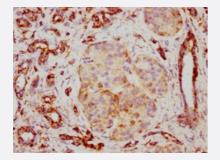
Catalog # RAB04341 Size 100 uL

Applications



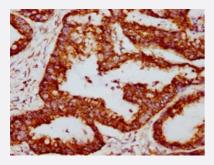
Western Blot

Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: MCF-7 whole cell lysate, Lane 3: HepG2 whole cell lysate, Lane 4: A549 whole cell lysate and Lane 5: mouse kidney tissue with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341).



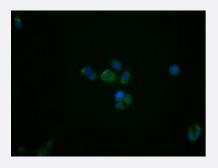
Immunohistochemistry

Immunohistochemical staining of human pancreatic cancer with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341) (diluated at 1:117)



Immunohistochemistry

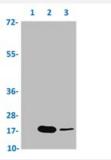
Immunohistochemical staining of human colon cancer with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341) (diluated at 1:117)



Immunofluorescence

Immunofluorescent staining of PC3 cells with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341) (diluated at 1:39). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

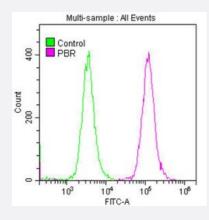




Immunoprecipitation

Immunoprecipitation analysis of HeLa cell Iysate with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341).

Lane 1: rabbit control IgG, Lane 2: RAB04341 precipitates and Lane 3: Input (Hela whole cell lysate).



Flow Cytometry

Flow cytometric analysis of HepG2 cells with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341) (diluated at 1:50; purple line) and negative control (green line).

Specification	
Product Description	Rabbit recombinant monoclonal antibody raised against human TSPO.
Antibody Species	Rabbit
lmmunogen	Original antibody is raised against a synthetic peptide corresponding to human TSPO.
Theoretical MW (kDa)	Calculated MW: 19, 1
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity chromatography
Isotype	lgG
Recommend Usage	ELISA Flow Cytometry Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.



Product Information

Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

Western Blot

Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: MCF-7 whole cell lysate, Lane 3: HepG2 whole cell lysate, Lane 4: A549 whole cell lysate and Lane 5: mouse kidney tissue with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341).

Immunohistochemistry

Immunohistochemical staining of human pancreatic cancer with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341) (diluated at 1:117)

Immunohistochemistry

Immunohistochemical staining of human colon cancer with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341) (diluated at 1:117)

Immunofluorescence

Immunofluorescent staining of PC3 cells with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341) (diluated at 1:39). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit lgG (green). Counter-stain DAPI was used (blue).

Immunoprecipitation

Immunoprecipitation analysis of HeLa cell lysate with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341). Lane 1: rabbit control lgG, Lane 2: RAB04341 precipitates and Lane 3: Input (Hela whole cell lysate).

Enzyme-linked Immunoabsorbent Assay

Flow Cytometry

Flow cytometric analysis of HepG2 cells with TSPO recombinant monoclonal antibody, clone 23G2 (Cat # RAB04341) (diluated at 1:50; purple line) and negative control (green line).

Gene Info — TSPO

Entrez GeneID

<u>706</u>



Product Information

Protein Accession#	<u>P30536</u>
Gene Name	TSPO
Gene Alias	BZRP, DBI, IBP, MBR, PBR, PKBS, PTBR, mDRC, pk18
Gene Description	translocator protein (18kDa)
Omim ID	109610
Gene Ontology	<u>Hyperlink</u>
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 r eceptor 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