

Anti-PBR TSPO Rabbit Monoclonal Antibody
Catalog # ABO13242**Specification**

Anti-PBR TSPO Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P30536
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-PBR TSPO Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse.

Anti-PBR TSPO Rabbit Monoclonal Antibody - Additional Information

Gene ID 706

Other Names

Translocator protein, Mitochondrial benzodiazepine receptor, PKBS, Peripheral-type benzodiazepine receptor, PBR, TSPO, BZRP, MBR

Calculated MW

18828 MW KDa

Application Details

WB 1:5000-1:10000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:50
FC 1:50

Subcellular Localization

Mitochondrion membrane ; Multi-pass membrane protein.

Tissue Specificity

Found in many tissue types. Expressed at the highest levels under normal conditions in tissues that synthesize steroids..

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human PBR

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for

up to one month. Avoid repeated
freeze-thaw cycles.

Anti-PBR TSPO Rabbit Monoclonal Antibody - Protein Information

Name TSPO

Synonyms BZRP, MBR

Function

Can bind protoporphyrin IX and may play a role in the transport of porphyrins and heme (By similarity). Promotes the transport of cholesterol across mitochondrial membranes and may play a role in lipid metabolism (PubMed:24814875), but its precise physiological role is controversial. It is apparently not required for steroid hormone biosynthesis. Was initially identified as peripheral-type benzodiazepine receptor; can also bind isoquinoline carboxamides (PubMed:1847678).

Cellular Location

Mitochondrion membrane; Multi-pass membrane protein

Tissue Location

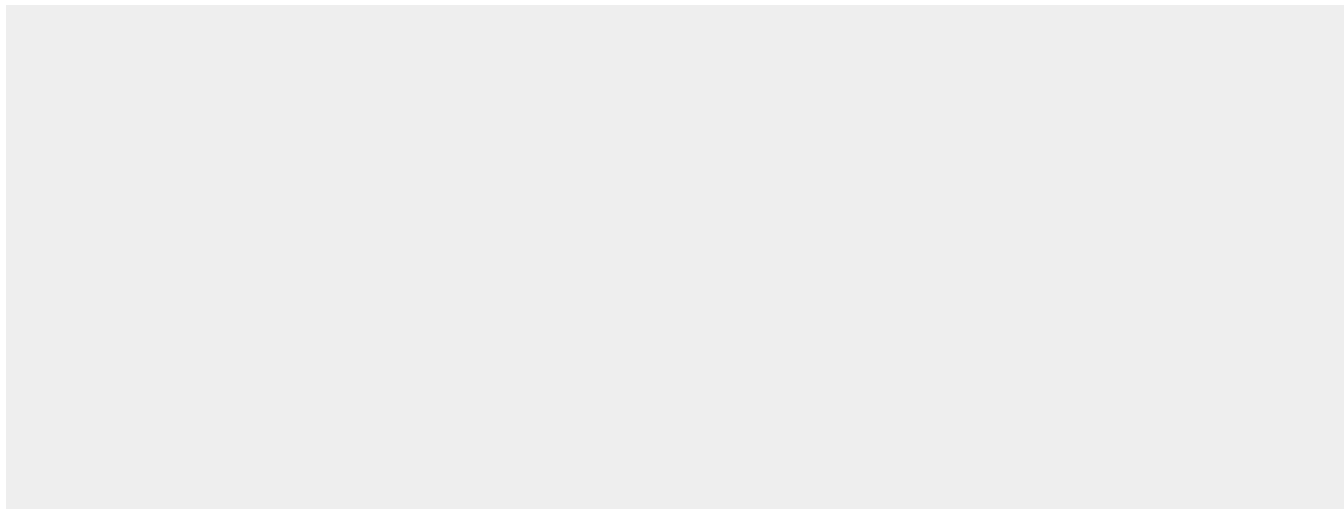
Found in many tissue types. Expressed at the highest levels under normal conditions in tissues that synthesize steroids.

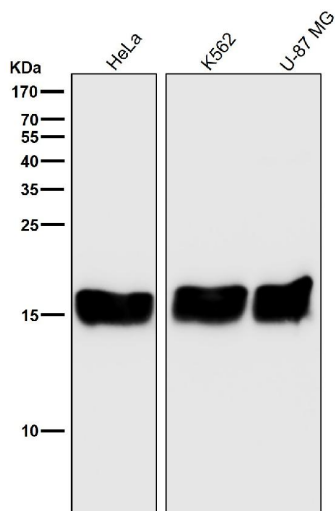
Anti-PBR TSPO Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

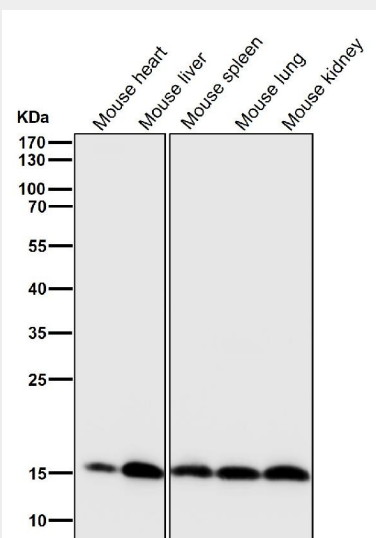
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PBR TSPO Rabbit Monoclonal Antibody - Images

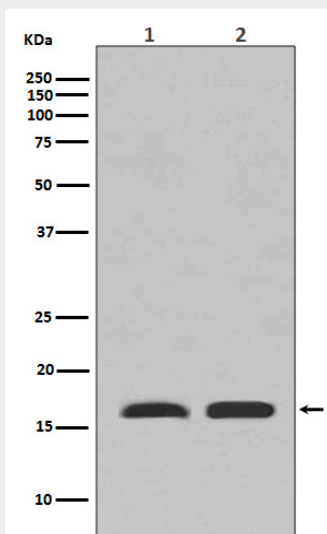




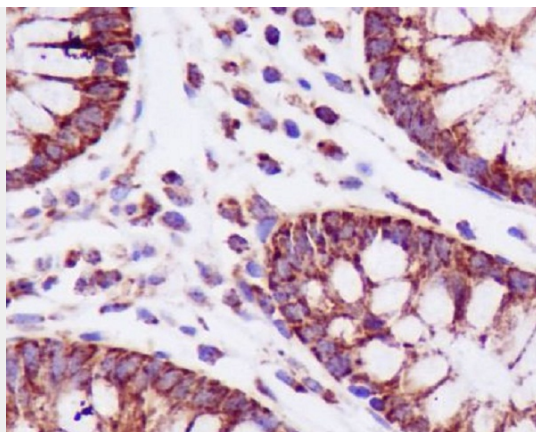
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



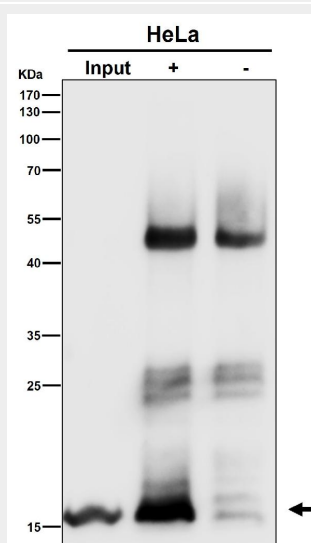
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



Western blot analysis of Calreticulin expression in (1) U87-MG cell lysate; (2) A431 cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon, using PBR Antibody.



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:3K dilution)