

Anti-PBR TSPO Rabbit Monoclonal Antibody

Catalog # ABO13242

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.

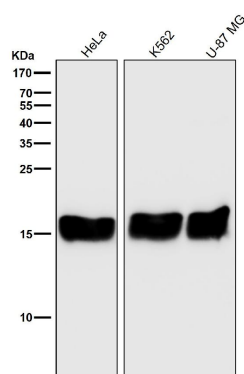
Additional Information

Gene ID	706
Other Names	Translocator protein, Mitochondrial benzodiazepine receptor, PKBS, Peripheral-type benzodiazepine receptor, PBR, TSPO, BZRP, MBR
Calculated MW	18828
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..
Source	Eukaryota
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.
Clone Names	Clone: DAG-20
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.

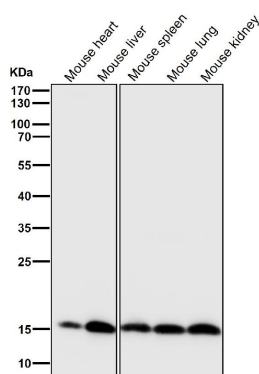
Protein Information

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.

Images

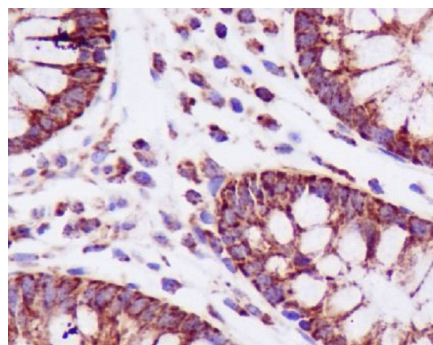
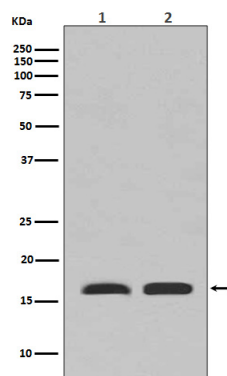


All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.

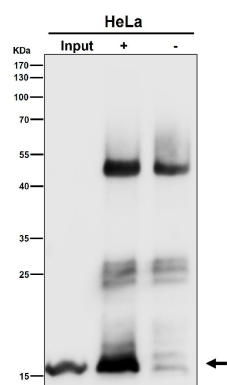


All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.

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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.