PBR/TSPO Rabbit mAb

Catalog No.: A4881 Recombinant 3 Publications



Basic Information

Observed MW

19kDa

Calculated MW

19kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC0308

Background

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. Alternatively spliced transcript variants have been reported; one of the variants lacks an internal exon and is considered non-coding, and the other variants encode the same protein.

Recommended Dilutions

WB 1:5000 - 1:30000

IHC-P 1:200 - 1:2000

IF/ICC 1:100 - 1:400

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID Swiss Prot706

P30536

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

DBI; IBP; MBR; PBR; PBS; BPBS; BZRP; PKBS; PTBR; mDRC; pk18; TSPO1; PBR/TSPO

Contact

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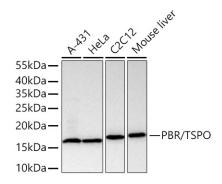
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of various lysates using PBR/TSPO Rabbit mAb (A4881) at 1:5000 dilution incubated overnight at 4° C.

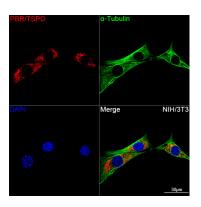
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

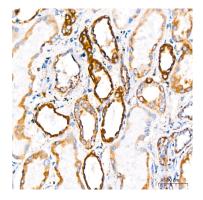
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

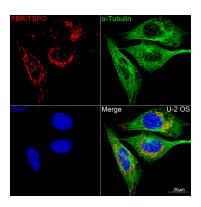
Exposure time: 1s.



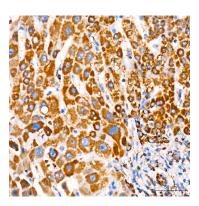
Confocal imaging of NIH/3T3 cells using PBR/TSPO Rabbit mAb (A4881,dilution 1:100) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



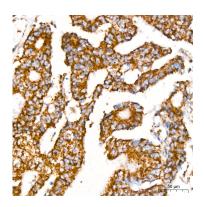
Immunohistochemistry analysis of paraffinembedded Human kidney tissue using PBR/TSPO Rabbit mAb (A4881) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



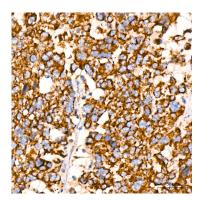
Confocal imaging of U-2 OS cells using PBR/TSPO Rabbit mAb (A4881,dilution 1:100)(Red). The cells were counterstained with $\alpha\text{-}Tubulin$ Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



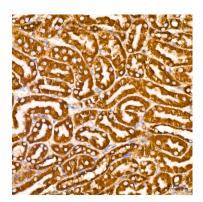
Immunohistochemistry analysis of paraffinembedded Human liver tissue using PBR/TSPO Rabbit mAb (A4881) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



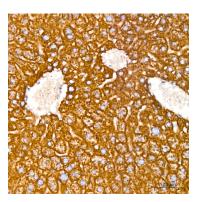
Immunohistochemistry analysis of paraffinembedded Human colon carcinoma tissue using PBR/TSPO Rabbit mAb (A4881) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human lung cancer tissue using PBR/TSPO Rabbit mAb (A4881) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse kidney tissue using PBR/TSPO Rabbit mAb (A4881) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse liver tissue using PBR/TSPO Rabbit mAb (A4881) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.