

TSPO/PBR Polyclonal Antibody

Catalog: BS65639

Host: Rabbit

Reactivity: Human, Mouse, Rat, Dog, Pig,

BackGround:

PBR (Peripheral type Benzodiazepine Receptor) is a ubiquitous protein (18 kDa) found in most steroidogenic tissues. It is located primarily in the outer mitochondrial membrane of steroid producing tissues and is found in association with a 34 kDa voltage dependent anion channel protein (VDAC). PBR interacts with some benzodiazepines and has different affinities than its endogenous counterpart. PBR appears to be a key factor in the transport of cholesterol from the outer to the inner mitochondrial membrane to permit the initiation of steroid hormone synthesis. It is thought to be part of the mitochondrial permeability transition pore (PT) and to be involved in apoptosis. It is speculated that patients with congenital lipoid adrenal hyperplasia, who cannot make any steroids, might have a genetic lesion in BZRP. A short form, PBRS is also expressed in the same tissues, but at a level about ten times that of PBR.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

18kD

Swiss-Prot:

B1AH88

Purification&Purity:

affinity purified by Protein A

Applications:

IHC-P=1:100-500

Storage&Stability:

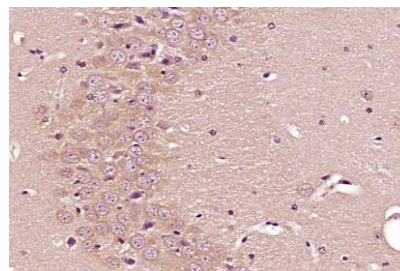
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

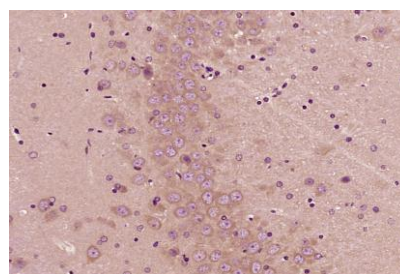
TSPO/PBR Polyclonal Antibody detects endogenous lev-

els of TSPO/PBR protein.

DATA:



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (PBR) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4 °C



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (PBR) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4 °C

Note:

For research use only, not for use in diagnostic procedure.

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