

TSPO / PBR Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS12720

Specification

TSPO / PBR Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	P30536
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	19kDa KDa

TSPO / PBR Antibody (C-Terminus) - Additional Information

Gene ID 706

Other Names

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

Target/Specificity

Human TSPO. This antibody is expected to recognise one isoform (NP_000705.2) only.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

TSPO / PBR Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

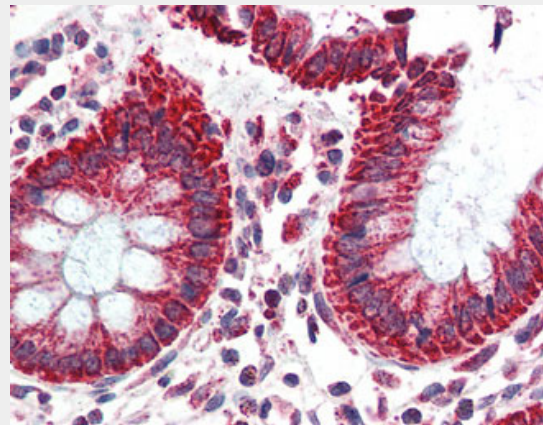
TSPO / PBR Antibody (C-Terminus) - Protein Information

Name TSPO

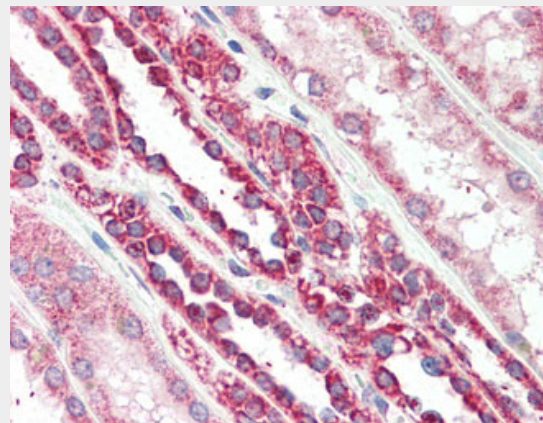
Synonyms BZRP, MBR

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



Anti-TSPO / PBR antibody IHC of human colon.



Anti-TSPO / PBR antibody IHC of human kidney.

TSPO / PBR Antibody (C-Terminus) - Background

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

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.

peripheral-type benzodiazepine receptor; can also bind isoquinoline carboxamides(PubMed:1847678).

TSPO / PBR Antibody (C-Terminus) - References

Riond J.,et al.Eur. J. Biochem. 195:305-311(1991).
Yakovlev A.G.,et al.Gene 155:201-205(1995).
Costa B.,et al.Mol. Pharmacol. 69:37-44(2006).
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).

TSPO / PBR Antibody (C-Terminus) - 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](#)