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Datasheet for ABIN910223

anti-TSPO antibody (AA 31-130) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	TSPO
Binding Specificity:	AA 31-130
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSPO antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Peripheral type Benzodiazepine Receptor
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Pig
Purification:	Purified by Protein A.

Target Details

Target:	TSPO
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Target Details

Alternative Name: PBR ([TSPO Products](#))

Background: Synonyms: BPBS, BZRP, DBI, IBP, Isoquinoline carboxamide-binding protein, MBR, mDRC, Mitochondrial benzodiazepine receptor, PBR, PBS, Peripheral benzodiazepine receptor, Peripheral benzodiazepine receptor-related protein, Peripheral type benzodiazepine receptor, pk18, PKBS, PTBR, Ptbzr, PTBZR02, RATPTBZR02, translocator protein 18 kDa, Translocator protein, TSPO, Tspo1, Benzodiazapine receptor peripheral, Benzodiazepine peripheral binding site.

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 lipid 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.

Gene ID: 1622

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months