

ARG41502 anti-TSPO / PBR antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TSPO / PBR
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TSPO / PBR
Species	Human
Immunogen	Synthetic peptide of Human TSPO / PBR.
Conjugation	Un-conjugated
Alternate Names	DBI; BZRP; PBS; PBR; pk18; PKBS; mDRC; BPBS; IBP; Translocator protein; Mitochondrial benzodiazepine receptor; PTBR; MBR; Peripheral-type benzodiazepine receptor

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:5000 - 1:10000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A431	
Observed Size	~ 17 kDa	

Properties

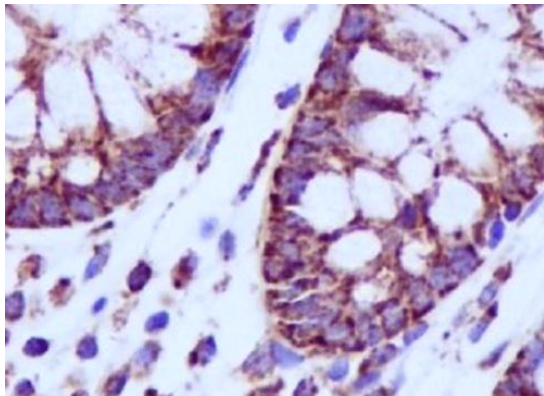
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TSPO
Gene Full Name	translocator protein (18kDa)
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. [provided by RefSeq, Feb 2012]
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, 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. [UniProt]
Calculated Mw	19 kDa
Cellular Localization	Mitochondrion membrane; Multi-pass membrane protein. [UniProt]

Images



ARG41502 anti-TSPO / PBR antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue stained with ARG41502 anti-TSPO / PBR antibody.



ARG41502 anti-TSPO / PBR antibody WB image

Western blot: A431 cell lysate stained with ARG41502 anti-TSPO / PBR antibody.