



PBR Polyclonal Antibody

Catalog No	BYab-04062
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC
Gene Name	TSPO
Protein Name	Translocator protein
Immunogen	Synthesized peptide derived from PBR . at AA range: 90-170
Specificity	PBR Polyclonal Antibody detects endogenous levels of PBR protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TSPO; BZRP; MBR; Translocator protein; Mitochondrial benzodiazepine receptor; PKBS; Peripheral-type benzodiazepine receptor; PBR
Observed Band	20kD
Cell Pathway	Mitochondrion membrane ; Multi-pass membrane protein .
Tissue Specificity	Found in many tissue types. Expressed at the highest levels under normal conditions in tissues that synthesize steroids.
Function	protein targeting, protein targeting to mitochondrion, porphyrin metabolic process, porphyrin biosynthetic process,heme biosynthetic process, ion transport, anion transport, mitochondrial transport, intracellular protein transport,apoptosis, mitochondrion organization, protein localization, steroid metabolic process, cell death, cell proliferation,programmed cell death, protein transport, death, protein import, heterocycle biosynthetic process, regulation of lipid transport, regulation of sterol transport, regulation of cholesterol transport, tetrapyrrole metabolic process,tetrapyrrole biosynthetic process, protein localization in organelle, cellular protein localization, heme metabolic process, pigment metabolic process, nitrogen compound biosynthetic process, establishment of protein localization,pigment biosynthetic

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process, intracellular transport, cofactor metabolic process, cofacto

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],

matters needing attention

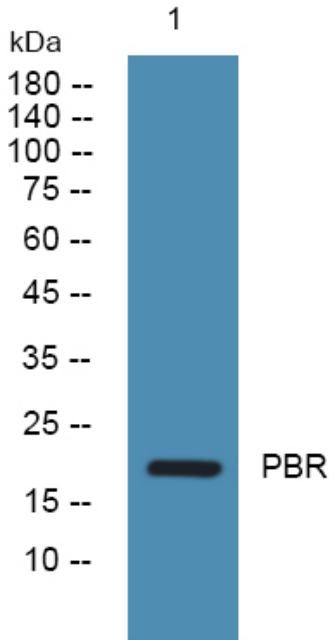
Avoid repeated freezing and thawing!

Usage suggestions

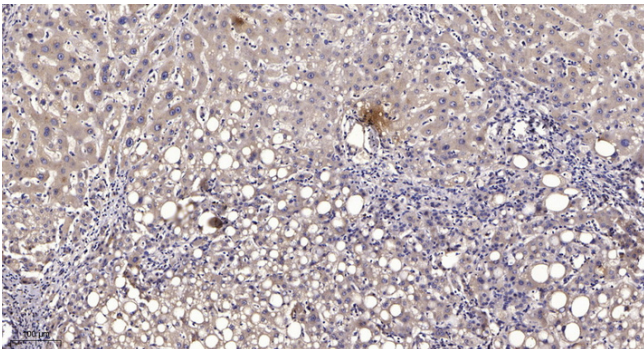
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).