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**Product Name: PBR Rabbit Monoclonal Antibody****Catalog #: AMRe01500**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.3mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 11 kDa; Observed MW: 19 kDa

**Antigen Information**

<b>Gene Name</b>	TSPO
<b>Alternative Names</b>	TSPO; BZRP; MBR; Translocator protein; Mitochondrial benzodiazepine receptor; PKBS; Peripheral-type benzodiazepine receptor; PBR
<b>Gene ID</b>	706.0
<b>SwissProt ID</b>	B1AH88
<b>Immunogen</b>	

**Background**

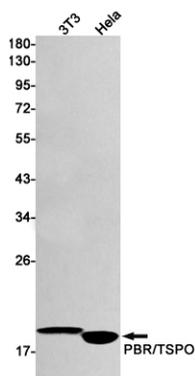
Present mainly in the mitochondrial compartment of peripheral tissues, the protein encoded by this gene interacts with some

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.

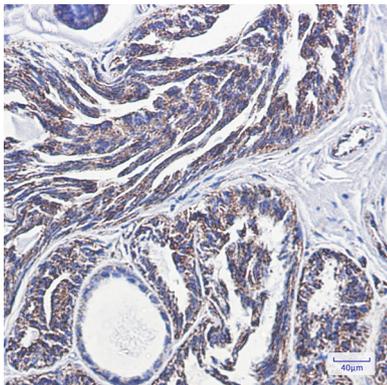
## Research Area

Cardiovascular

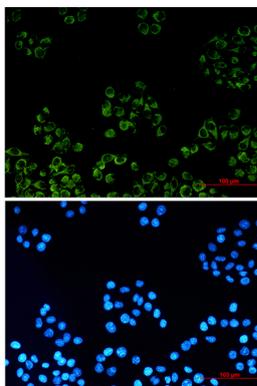
## Image Data



Western blot analysis of PBR/TSPO in 3T3, HeLa lysates using PBR antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using PBR antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of PBR/TSPO (green) in HeLa using PBR/TSPO antibody, and DAPI (blue)