

## Summary

|                        |                                        |
|------------------------|----------------------------------------|
| <b>Production Name</b> | PBR Rabbit Monoclonal Antibody         |
| <b>Description</b>     | Recombinant rabbit monoclonal antibody |
| <b>Host</b>            | Rabbit                                 |
| <b>Application</b>     | WB,IHC,ICC,IP                          |
| <b>Reactivity</b>      | Human,Mouse                            |

## Performance

|                     |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                               |
| <b>Modification</b> | Unmodified                                                                                 |
| <b>Isotype</b>      | IgG                                                                                        |
| <b>Clonality</b>    | Monoclonal                                                                                 |
| <b>Form</b>         | Liquid                                                                                     |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.   |
| <b>Buffer</b>       | Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol. |
| <b>Purification</b> | Affinity Purification                                                                      |

## Immunogen

|                          |                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | PBR                                                                                                                              |
| <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.A synthetic peptide of human PBR                                                                                          |

## Application

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

**Product Name: PBR Rabbit Monoclonal Antibody**  
**Catalog #: AMRe85187**

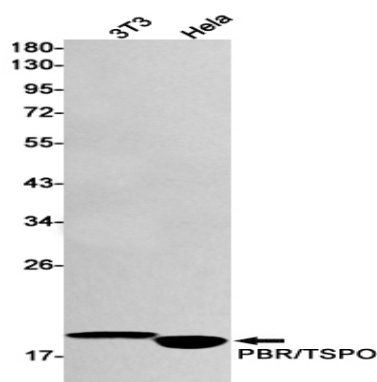


## Background

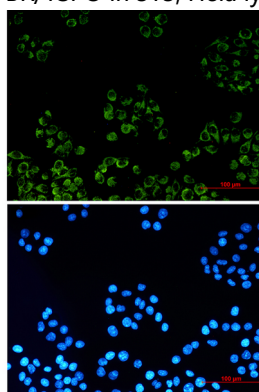
Present mainly in the mitochondrial compartment of peripheral tissues, the protein encoded by this gene interacts with some benzodiazepines and has different affinities than its endogenous counterpart. The protein is a key factor in the flow of cholesterol into mitochondria to permit the initiation of steroid hormone synthesis.

## Research Area

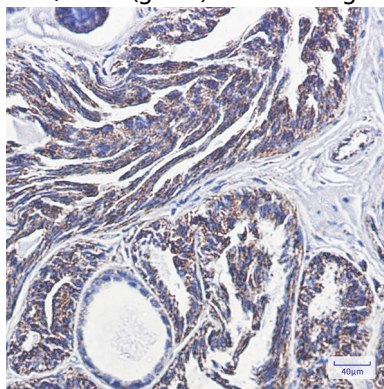
## Image Data



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



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



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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.

**Note**

For research use only.