10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PBR Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10033

Specification

PBR Antibody - Product Information

Application	**WB**
Primary Accession	P61328
Other Accession	BAA04749
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**27399**

PBR Antibody - Additional Information

Gene ID 2257

Application & Usage	**Western blot analysis (0.5-4 µg/ml) and Immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually.**

Other Names
peripheral-type benzodiazepine receptor

Target/Specificity
PBR

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit anti-PBR polyclonal antibody in phosphate buffered saline (PBS), pH 7.2.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
PBR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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PBR Antibody - Protein Information

Name FGF12

Synonyms FGF12B, FHF1

Function
Involved in nervous system development and function. Involved in the positive regulation of voltage-gated sodium channel activity. Promotes neuronal excitability by elevating the voltage dependence of neuronal sodium channel SCN8A fast inactivation.

Cellular Location
Nucleus.

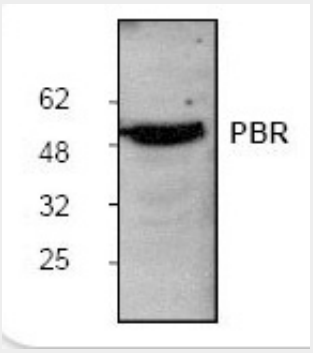
Tissue Location
Brain, eye and testis; highly expressed in embryonic retina, olfactory epithelium, olfactory bulb, and in a segmental pattern of the body wall; in adult olfactory bulb, less in cerebellum, deep cerebellar nuclei, cortex and multiple midbrain structures

PBR Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PBR Antibody - Images



Western blot analysis of PBR expression using: Lane 1: Jurkat cell lysate; Lane 2: Recombinant PBR; Lane 3: Rat kidney tissue lysate

PBR Antibody - 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 is involved in the regulation of cholesterol transport from the outer to the inner mitochondrial membrane. It is tho µght to be part of the mitochondrial permeability transition pore (PT) and to be involved in apoptosis.