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BZRP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant BZRP.
Catalog # AT1323a

Specification

BZRP Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P30536
Other Accession	BC001110
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**18828**

BZRP Antibody (monoclonal) (M01) - Additional Information

Gene ID 706

Other Names
Translocator protein, Mitochondrial benzodiazepine receptor, PKBS, Peripheral-type benzodiazepine receptor, PBR, TSPO, BZRP, MBR

Target/Specificity
BZRP (AAH01110.1, 1 a.a. ~ 169 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
BZRP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

BZRP Antibody (monoclonal) (M01) - Protocols

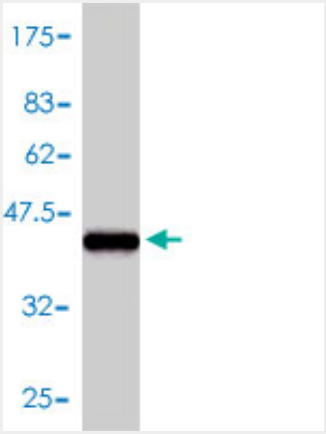
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

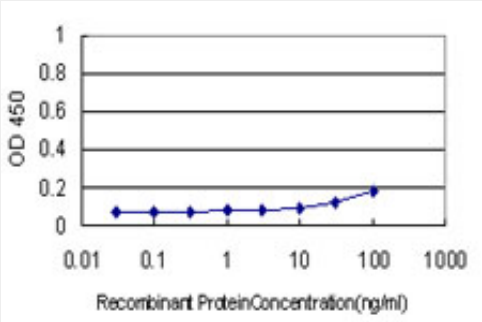
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BZRP Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (44.33 KDa) .



Detection limit for recombinant GST tagged BZRP is approximately 10ng/ml as a capture antibody.

BZRP Antibody (monoclonal) (M01) - 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

BZRP Antibody (monoclonal) (M01) - References

Oral cancer, cigarette smoke and mitochondrial 18kDa translocator protein (TSPO) - In vitro, in vivo, salivary analysis. Nagler R, et al. Biochim Biophys Acta, 2010 May. PMID 20085808.The spontaneous Ala147Thr amino acid substitution within the translocator protein influences pregnenolone production in lymphomonocytes of healthy individuals. Costa B, et al. Endocrinology, 2009 Dec. PMID 19846611.Translocator protein blockade reduces prostate tumor growth. Fafalios A, et al. Clin Cancer Res, 2009 Oct 1. PMID 19789311.Genetic susceptibility to distinct bladder cancer subphenotypes. Guey LT, et al. Eur Urol, 2010 Feb. PMID 19692168.Ala147Thr substitution in translocator protein is associated with adult separation anxiety in patients with depression. Costa B,

et al. Psychiatr Genet, 2009 Apr. PMID 19668118.