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EIF2B2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant EIF2B2.
Catalog # AT1873a

Specification

EIF2B2 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, E**
Primary Accession	P49770
Other Accession	BC000494
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**38990**

EIF2B2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 8892

Other Names
Translation initiation factor eIF-2B subunit beta, S20I15, S20III15, eIF-2B GDP-GTP exchange factor subunit beta, EIF2B2, EIF2BB

Target/Specificity
EIF2B2 (AAH00494, 1 a.a. ~ 351 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
EIF2B2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

EIF2B2 Antibody (monoclonal) (M01) - Protocols

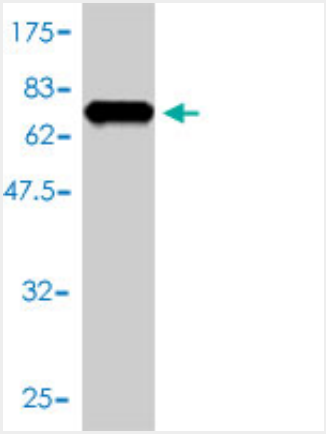
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

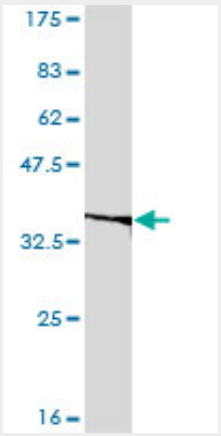
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

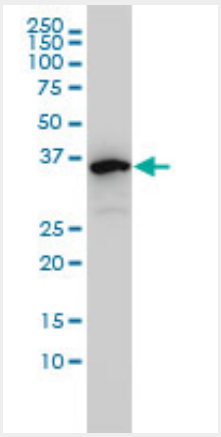
EIF2B2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (64.35 KDa) .

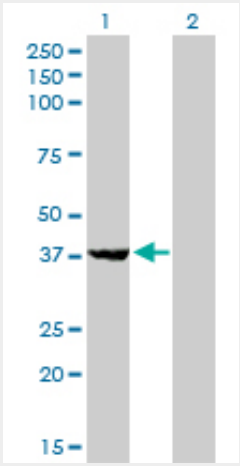


EIF2B2 monoclonal antibody (M01), clone 5B12-E10. Western Blot analysis of EIF2B2 expression in HeLa ((Cat # AT1873a)



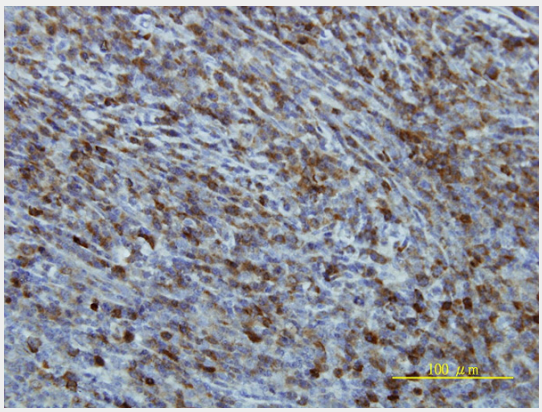
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EIF2B2 monoclonal antibody (M01), clone 5B12-E10 Western Blot analysis of EIF2B2 expression in K-562 ((Cat # AT1873a)

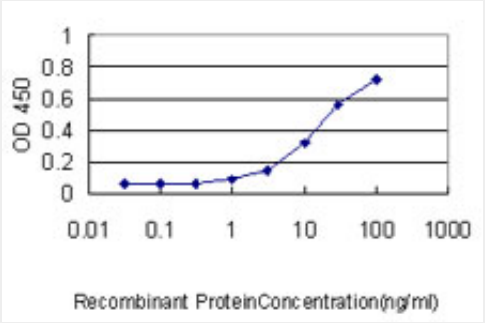


Western Blot analysis of EIF2B2 expression in transfected 293T cell line by EIF2B2 monoclonal antibody (M01), clone 5B12-E10.

Lane 1: EIF2B2 transfected lysate(39 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to EIF2B2 on formalin-fixed paraffin-embedded human lymphoma tissue. [antibody concentration 5 ug/ml]



Detection limit for recombinant GST tagged EIF2B2 is approximately 0.3ng/ml as a capture antibody.

EIF2B2 Antibody (monoclonal) (M01) - Background

Eukaryotic initiation factor-2B (EIF2B) is a GTP exchange protein essential for protein synthesis. It

consists of alpha (EIF2B1; MIM 606686), beta (EIF2B2), gamma (EIF2B3; MIM 606273), delta (EIF2B4; MIM 606687), and epsilon (EIF2B5; MIM 603945) subunits. EIF2B activates its EIF2 (see MIM 603907) substrate by exchanging EIF2-bound GDP for GTP.

EIF2B2 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.No evidence that polymorphisms of the vanishing white matter disease genes are risk factors in multiple sclerosis. Pronk J, et al. Mult Scler, 2008 Sep. PMID 18632786.Genetic and clinical heterogeneity in eIF2B-related disorder. Maletkovic J, et al. J Child Neurol, 2008 Feb. PMID 18263758.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.