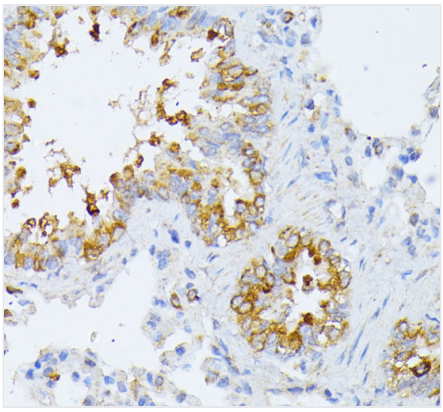
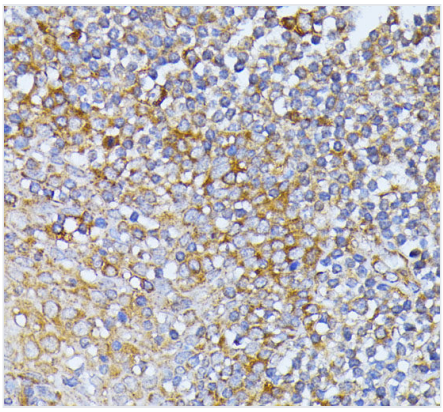
EIF2B2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

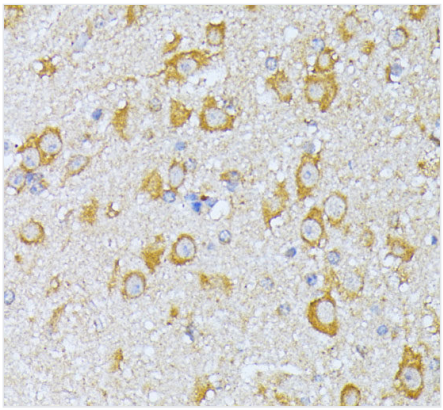
Product Name	EIF2B2, Polyclonal Antibody
Full Product Name	EIF2B2 Polyclonal Antibody
Product Gene Name	anti-EIF2B2 antibody
Product Synonym Names	EIF2B2; EIF-2Bbeta; EIF2B
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Purity/Purification	Affinity purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	351
OMIM	phenotype 606454
3D Structure	ModBase 3D Structure for P49770
Immunogen	Recombinant fusion protein of human EIF2B2 (NP_0550541)
Conjugation	Unconjugated
Product Categories/Family for anti-EIF2B2 antibody	Polyclonal Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EIF2B2 antibody	Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-EIF2B2 antibody	IHC: 1:50-1:200 IF: 1:50-1:200
Related Product Information for anti-EIF2B2 antibody	This gene encodes the beta subunit of eukaryotic initiation factor-2B (EIF2B). EIF2B is involved in protein synthesis and exchanges GDP and GTP for its activation and deactivation.
Other Notes	Small volumes of anti-EIF2B2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EIF2B2 purchase	MBS2566643 is an antibody targeting EIF2B2. Also known as EIF2B2 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



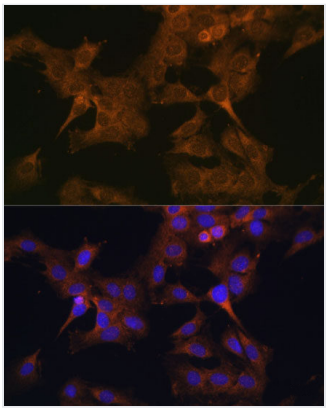
Immunohistochemistry (IHC) of anti-EIF2B2 antibody
Immunohistochemistry of paraffin-embedded Rat lung using EIF2B2 Polyclonal Antibody at dilution of 1:100 (40x lens).



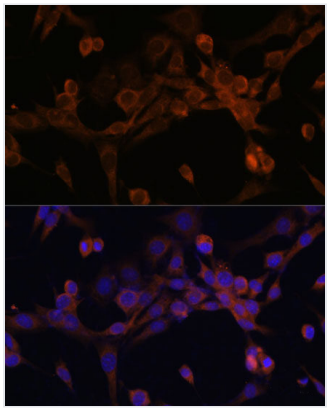
Immunohistochemistry (IHC) of anti-EIF2B2 antibody
Immunohistochemistry of paraffin-embedded Human tonsil using EIF2B2 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (IHC) of anti-EIF2B2 antibody
Immunohistochemistry of paraffin-embedded Mouse brain using EIF2B2 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunofluorescence (IF) of anti-EIF2B2 antibody
Immunofluorescence analysis of C6 cells using EIF2B2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence (IF) of anti-EIF2B2 antibody
Immunofluorescence analysis of NIH/3T3 cells using EIF2B2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EIF2B2. It may not necessarily be applicable to this product.

NCBI GI #	6226858
NCBI GeneID	8892
NCBI Accession #	P49770.3
UniProt Primary Accession #	P49770

UniProt Secondary Accession #	O43201
UniProt Related Accession #	P49770
NCBI Official Full Name	Translation initiation factor eIF-2B subunit beta
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa
NCBI Official Symbol	EIF2B2
NCBI Official Synonym Symbols	EIF2B; EIF-2Bbeta
UniProt Protein Name	Translation initiation factor eIF-2B subunit beta
UniProt Synonym Protein Names	S20I15; S20III15; eIF-2B GDP-GTP exchange factor subunit beta
Protein Family	Translation initiation factor
UniProt Gene Name	EIF2B2
UniProt Synonym Gene Names	EIF2BB
UniProt Entry Name	EI2BB_HUMAN
NCBI Protein Information	translation initiation factor eIF-2B subunit beta; S20I15; S20III15; eIF-2B GDP-GTP exchange factor subunit beta
UniProt Comments for EIF2B2	eIF2B-beta: eukaryotic translation initiation factor 2B, subunit 5. A translational regulatory protein that functions in the early steps of protein synthesis by catalyzing the exchange of eukaryotic initiation factor 2-bound GDP for GTP. Mutation in EIF2B5 causes childhood ataxia with central nervous system hypomyelination/ vanishing white matter leukodystrophy. Protein type: Cell development/differentiation; RNA-binding; Translation; GEFs; GEFs, misc. Chromosomal Location of Human Ortholog: 14q24.3 Cellular Component: eukaryotic translation initiation factor 2B complex; cytoplasm; cytosol Molecular Function: protein binding; GTP binding; guanyl-nucleotide exchange factor activity; translation initiation factor activity; S-methyl-5-thioribose-1-phosphate isomerase activity; ATP binding Biological Process: myelination; response to peptide hormone stimulus; central nervous system development; translation; cellular response to stimulus; cellular protein metabolic process; ovarian follicle development; methionine salvage; response to heat; translational initiation; response to glucose stimulus; gene expression; oligodendrocyte development; regulation of translational initiation; positive regulation of GTPase activity Disease: Leukoencephalopathy With Vanishing White Matter
Research Articles on EIF2B2	**1.** An Italian patient is described with a c.638A>G mutation in exon 5 of EIF2B2 gene with very slow progressive vanishing white matter disease.
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