

EIF2B2 Antibody (clone 5B12-E10)
Mouse Monoclonal Antibody
Catalog # ALS14423**Specification**

EIF2B2 Antibody (clone 5B12-E10) - Product Information

Application	WB, IHC
Primary Accession	P49770
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	39kDa KDa

EIF2B2 Antibody (clone 5B12-E10) - 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

Human EIF2B2

Reconstitution & Storage

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

Precautions

EIF2B2 Antibody (clone 5B12-E10) is for research use only and not for use in diagnostic or therapeutic procedures.

EIF2B2 Antibody (clone 5B12-E10) - Protein Information**Name** EIF2B2**Synonyms** EIF2BB**Function**

Acts as a component of the translation initiation factor 2B (eIF2B) complex, which catalyzes the exchange of GDP for GTP on eukaryotic initiation factor 2 (eIF2) gamma subunit (PubMed:25858979, PubMed:27023709, PubMed:31048492). Its guanine nucleotide exchange factor activity is repressed when bound to eIF2 complex phosphorylated on the alpha subunit, thereby limiting the amount of methionyl- initiator methionine tRNA available to the ribosome and consequently global translation is repressed (PubMed:25858979, PubMed:31048492).

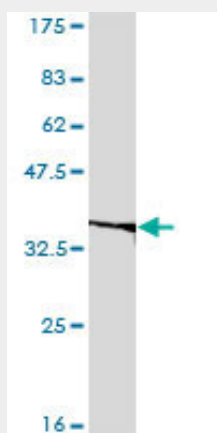
Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9UT76}

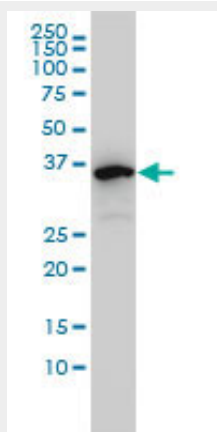
EIF2B2 Antibody (clone 5B12-E10) - Protocols

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

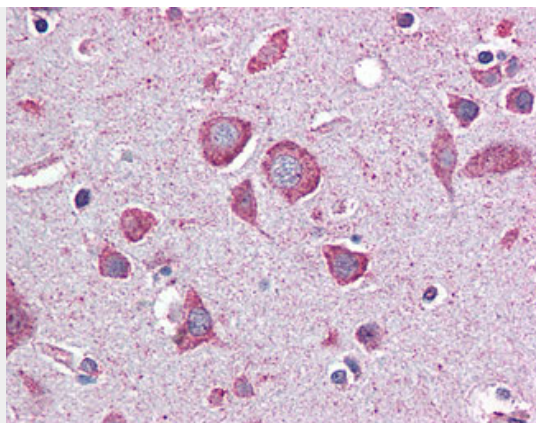
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EIF2B2 Antibody (clone 5B12-E10) - Images

Antibody ALS14423, Western blot of EIF2B2 expression in HeLa.



Antibody ALS14423, Western blot of EIF2B2 expression in K-562.



Anti-EIF2B2 / EIF2B antibody IHC of human brain, cortex.

EIF2B2 Antibody (clone 5B12-E10) - Background

Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.

EIF2B2 Antibody (clone 5B12-E10) - References

Yu W.,et al.Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.
Sherrington R.,et al.Nature 375:754-760(1995).
Heilig R.,et al.Nature 421:601-607(2003).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Van Damme P.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).