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EIF2B2 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI15254

Product Information

Application	WB
Primary Accession	P49770
Other Accession	NM_014239, NP_055054
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38990

Additional Information

Gene ID	8892
Alias Symbol	EIF-2Bbeta, EIF2B
Other Names	Translation initiation factor eIF-2B subunit beta, S20I15, S20III15, eIF-2B GDP-GTP exchange factor subunit beta, EIF2B2, EIF2BB
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-EIF2B2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	EIF2B2 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

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

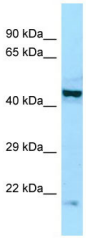
(PubMed:25858979, PubMed:31048492).

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

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).

Images



WB Suggested Anti-EIF2B2 Antibody Titration: 1.0 µg/ml
Positive Control: RPMI-8226 Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.