

EIF2B4 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3269a**Specification**

EIF2B4 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O9UI10
Other Accession	NP_751945.2 , NP_001029288.1 , NP_056451.3 , 8890 , 13667 (mouse) , 117019 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Rabbit, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	57557

EIF2B4 Antibody (internal region) - Additional Information**Gene ID** 8890**Other Names**

Translation initiation factor eIF-2B subunit delta, eIF-2B GDP-GTP exchange factor subunit delta, EIF2B4, EIF2BD

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

EIF2B4 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

EIF2B4 Antibody (internal region) - Protein Information**Name** EIF2B4**Synonyms** EIF2BD

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:Q09924}

EIF2B4 Antibody (internal region) - 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](#)

EIF2B4 Antibody (internal region) - Images

AF3269a (0.3 µg/ml) staining of K562 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EIF2B4 Antibody (internal region) - Background

This antibody is expected to recognize all reported isoforms (NP_751945.2; NP_001029288.1; NP_056451.3).

EIF2B4 Antibody (internal region) - References

Identification of novel EIF2B mutations in Chinese patients with vanishing white matter disease. Wu Y, Pan Y, Du L, Wang J, Gu Q, Gao Z, Li J, Leng X, Qin J, Wu X, Jiang Y, Journal of human genetics 2009 Feb 54 (2): 74-7. PMID: 19158808