

Polyclonal Antibody to EIF2B4 / EIF2BD - Aff - Purified

Alternate names:	Translation initiation factor eIF-2B subunit delta, eIF-2B GDP-GTP exchange factor subunit delta
Catalog No.:	TA311589
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	eIF2B4, also called eIF2B delta is part of the eIF2B complex, which contains 5 subunits. It catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP (referenced from swissprot).
Uniprot ID:	Q9UI10
NCBI:	NP_001029288
GeneID:	8890
Host:	Goat
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to (NP_751945.2, NP_001029288.1 and NP_056451.3). Genename: EIF2B4 AA Sequence: C-RKDYGSKVSLFSH
Format:	State: Liquid purified Ig fraction. Purification: Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide. Buffer System: Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer.
Applications:	Peptide ELISA: Limit Dilution: 1/16000. Western blot: 0.3-1 µg/ml. This antibody detects a ~60kDa band in lysates of cell line K562. An additional band of unknown identity was also consistently observed at 26kDa. This band was successfully blocked by incubation with the immunizing peptide. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes EIF2B4. This antibody is expected to recognize all reported isoforms (NP_751945.2, NP_001029288.1 and NP_056451.3).
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse, Rat, Canine, Bovine, Rabbit.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: 1. Wu Y, Pan Y, Du L, Wang J, Gu Q, Gao Z, Li J, Leng X, Qin J, Wu X, Jiang Y, Identification of novel EIF2B mutations in Chinese patients with vanishing white matter disease. Journal of human genetics 2009 Feb 54 (2): 74-7. PMID: 19158808

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

