

Rabbit EIF2B1 Polyclonal Antibody | anti-EIF2B1 antibody

EIF2B1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287009	Rabbit	Human (Predicted Reactivity: Monkey)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

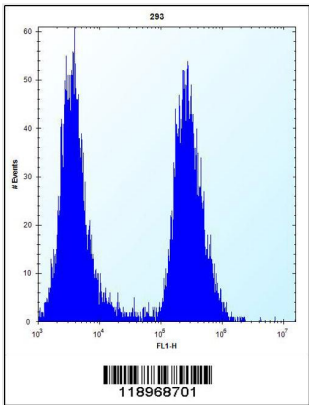
PRODUCT SYNONYMS

EIF2B1; Polyclonal Antibody; EIF2B1 Antibody (Center); Translation initiation factor eIF-2B subunit alpha; eIF-2B GDP-GTP exchange factor subunit alpha; EIF2BA; anti-EIF2B1 antibody

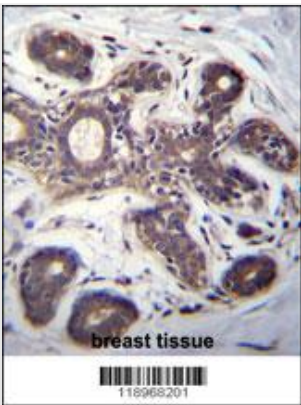
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EIF2B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-163 amino acids from the Central region of human EIF2B1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	136-163
Sequence Length	305
Applicable Applications for anti-EIF2B1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

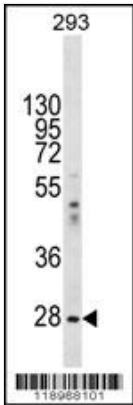
IMAGES



FCM/FACS (Flow Cytometry)
EIF2B1 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
EIF2B1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of EIF2B1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
EIF2B1 Antibody (Center) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the EIF2B1 antibody detected the EIF2B1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-EIF2B1 antibody	This gene encodes one of five subunits of eukaryotic translation initiation factor 2B (EIF2B), a GTP exchange factor for eukaryotic initiation factor 2 and an essential regulator for protein synthesis. Mutations in this gene and the genes encoding other EIF2B subunits have been associated with leukoencephalopathy with vanishing white matter.
Product Categories/Family for anti-EIF2B1 antibody	Developmental Biology; Neuroscience
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Hiyama, T.B., et al. J. Mol. Biol. 392(4):937-951(2009) Pronk, J., et al. Mult. Scler. 14(8):1123-1126(2008) van der Knaap, M.S., et al. Neuropediatrics 38 (5), 264 (2007) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503503
NCBI GeneID	1967

NCBI Accession #	NP_001405.1
NCBI GenBank Nucleotide #	NM_001414.3
UniProt Accession #	Q14232; Q3SXP4; A6NLY9; B4DGX0
Molecular Weight	33712
NCBI Official Full Name	translation initiation factor eIF-2B subunit alpha
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa
NCBI Official Symbol	EIF2B1
NCBI Official Synonym Symbols	EIF2B; EIF2BA
NCBI Protein Information	translation initiation factor eIF-2B subunit alpha
UniProt Protein Name	Translation initiation factor eIF-2B subunit alpha
UniProt Gene Name	EIF2B1
UniProt Synonym Gene Names	EIF2BA
UniProt Entry Name	EI2BA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eif2b1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287009>