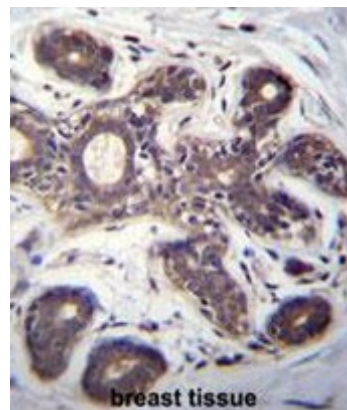


AP51391PU-N**Polyclonal Antibody to EIF2B1 / EIF2BA (Center) - Aff - Purified**

Alternate names:	Translation initiation factor eIF-2B subunit alpha, eIF-2B GDP-GTP exchange factor subunit alpha
Quantity:	0.4 ml
Concentration:	lot specific
Background:	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.
Uniprot ID:	Q14232
NCBI:	NP_001405
GeneID:	1967
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 135-163 amino acids from the Central region of human EIF2B1
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography on Protein A Buffer System: PBS Preservatives: 0.09% (W/V) sodium azide
Applications:	ELISA: 1/1000. Western Blot: 1/100 - 1/500. Immunohistochemistry on paraffin sections: 1/10 - 1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	33712 Da
Specificity:	This antibody reacts to EIF2B1.
Species Reactivity:	Tested: Human.
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. Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) 2. Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) 3. Hiyama, T.B., et al. J. Mol. Biol. 392(4):937-951(2009) 4. Pronk, J., et al. Mult. Scler. 14(8):1123-1126(2008) 5. van der Knaap, M.S., et al. Neuropediatrics 38 (5), 264 (2007)

Pictures:

EIF2B1 Antibody (Center) (Cat. #AP51391PU-N) 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.



EIF2B1 Antibody (Center) (Cat. #AP51391PU-N) western blot analysis in 293 cell line lysates (35µg/lane). This demonstrates the EIF2B1 antibody detected the EIF2B1 protein (arrow).

