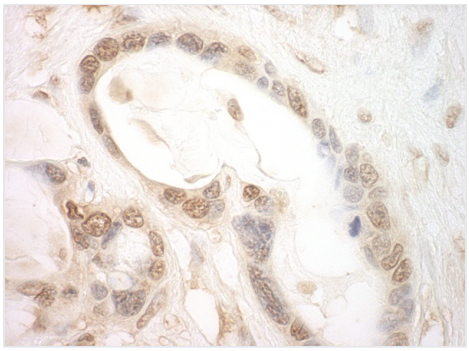
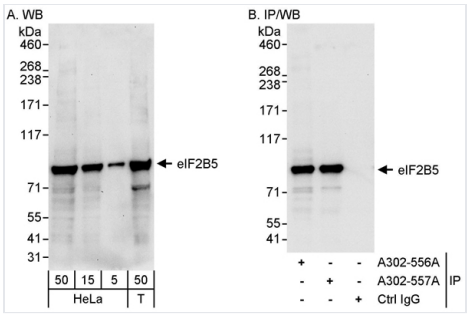
eIF2B5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	eIF2B5, Polyclonal Antibody
Full Product Name	Rabbit anti-eIF2B5 Antibody, Affinity Purified
Product Gene Name	anti-eIF2B5 antibody
Product Synonym Names	CACH; LVWM; eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa; EIF2Bepsilon; eIF-2B GDP-GTP exchange factor subunit epsilon; CLE; translation initiation factor eIF-2B subunit epsilon; EIF-2B; Translation initiation factor eIF-2B subunit epsilon; eukaryotic translation initiation factor 2B subunit epsilon
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	80,380 Da
OMIM	603896
3D Structure	ModBase 3D Structure for Q13144
Immunogen	Between 400 and 450
Conjugation	Unconjugated
Product Categories/Family for anti-eIF2B5 antibody	Primary Antibodies
Applications Tested/Suitable for anti-eIF2B5 antibody	Western Blot (WB), Immunoprecipitation (IP), Immunohistochemistry (IHC)
Application Notes for anti-eIF2B5 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate IHC: 1:500-1:2000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Related Product Information for anti-eIF2B5 antibody	eIF2B5 is one of five subunits of the eukaryotic translation initiation factor 2B (eIF2B). eIF2B5 functions as a GTP exchange factor for eukaryotic initiation factor 2 and an essential regulator for protein synthesis. Mutations in the EIF2B5 gene and the genes encoding other EIF2B subunits have been associated with leukoencephalopathy with vanishing white matter (VWM) [taken from NCBI Entrez Gene (GeneID: 8893)].
Other Notes	Small volumes of anti-eIF2B5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for eIF2B5 purchase	MBS3902924 is an antibody targeting eIF2B5. Also known as Rabbit anti-eIF2B5 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-eIF2B5 antibody
Detection of human eIF2B5 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-eIF2B5 (Cat. No. MBS3902924) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



Western Blot (WB) of anti-eIF2B5 antibody
Detection of human eIF2B5 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-eIF2B5 antibody MBS3902924 used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 10 ug/mg lysate. eIF2B5 was also immunoprecipitated by rabbit anti-eIF2B5 antibody MBS3902925, which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for eIF2B5. It may not necessarily be applicable to this product.

NCBI GI #	83267879
NCBI GeneID	8893
NCBI Accession #	NP_003898.2
UniProt Primary Accession #	Q13144
UniProt Secondary Accession #	Q541Z1; Q96D04
UniProt Related Accession #	Q13144
GenBank Nucleotide #	NM_003907.2
NCBI Official Full Name	translation initiation factor eIF-2B subunit epsilon
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa
NCBI Official Symbol	EIF2B5
NCBI Official Synonym Symbols	CLE; CACH; LVWM; EIF-2B; EIF2Bepsilon
UniProt Protein Name	Translation initiation factor eIF-2B subunit epsilon
UniProt Synonym Protein Names	eIF-2B GDP-GTP exchange factor subunit epsilon
Protein Family	Translation initiation factor
UniProt Gene Name	EIF2B5
UniProt Synonym Gene Names	EIF2BE
UniProt Entry Name	EI2BE_HUMAN
NCBI Protein Information	translation initiation factor eIF-2B subunit epsilon; eIF-2B GDP-GTP exchange factor subunit epsilon
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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