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eIF2B epsilon Antibody

Rabbit mAb
Catalog # AP91756

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	Q13144
Reactivity	Human
Clonality	Monoclonal
Other Names	CACH; CLE; EIF 2B; EIF2B; EIF2B5; EIF2BE; EIF2Bepsilon;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	80380

Additional Information

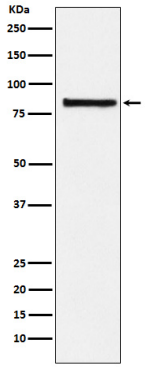
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human eIF2B epsilon
Description	Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	EIF2B5
Synonyms	EIF2BE
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:P56287}

Images

Western blot analysis of eIF2B epsilon expression in Hela



cell lysate.

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