

eIF2β Polyclonal Antibody

Catalog NoYP-Ab-03841IsotypeIgGReactivityHuman;Rat;Mouse;ApplicationsWB;ELISAGene NameEIF2S2Protein NameEukaryotic translation initiation factor 2 subunit 2ImmunogenThe antiserum was produced against synthesized peptide derived from human EIF2S2. AA range:61-110SpecificityeIF2β Polyclonal Antibody detects endogenous levels of eIF2β protein.FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.SourcePolyclonal, Rabbil.IgGPurtificationThe antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.DilutionWesperime Biot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.Sorage Stability-20°C/1 yearSynonymsEIF2S2: EIF2B; Eukaryotic translation initiation factor 2 subunit 2; Eukaryotic translation initiation factor 2 subunit beta; eIF-2-betaObserved Band40kDColl Pathwaynucleus.cytoplasm.cytosol.eukaryotic translation initiation factor 2 complex, undicing runger of the GS ribosomal subunit to form the 3S printiation complex by forming a ternary complex with GTP and initiatior factor 2 subunit estip site preceded by hymplex. In order for eIF-2P, uncefore ad a gamma chain.component of an EIF-2P.BackgroundEukaryotic translation initiation factor 2 subunit to Grom the satis preceded by hymplex. In order for eIF-2D recycle and peitor entalyzed by eomplex with GTP and initiation factor 2 subunit biofs to a 405 ribosomal subunit.Toifored for eIF-2D recycle and peitor entalyzed by eomplex with GTP and initiation factor 2 subunit biof		
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translation initiation factor 2 subunit beta; eIF-2-betaObserved Band40kDCell Pathwaynucleus,cytoplasm,cytosol,eukaryotic translation initiation factor 2 complex,Tissue SpecificityAmygdala,Brain,Epithelium,Lung,Muscle,Placenta,PoolFunctionfunction:eIF-2 functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form a 43S preinitiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B.,similarity:Belongs to the eIF-2-beta/eIF-5 family.,subunit:Heterotrimer complex at least composed of CUGBP1, CALR, CALR3, EIF2S1, EIF2S2, HSP90B1 and HSPA5.,Backgroundeukaryotic translation initiation factor 2 subunit beta(EIF2S2) Homo sapiens	Storage Stability	-20°C/1 year
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	Background	eukaryotic translation initiation factor 2 subunit beta(EIF2S2) Homo sapiens Eukaryotic translation initiation factor 2 (EIF-2) functions in the early steps of



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	protein synthesis by forming a ternary complex with GTP and initiator tRNA and binding to a 40S ribosomal subunit. EIF-2 is composed of three subunits, alpha, beta, and gamma, with the protein encoded by this gene representing the beta subunit. The beta subunit catalyzes the exchange of GDP for GTP, which recycles the EIF-2 complex for another round of initiation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

			Products Images
(kD)			Western blot analysis of the lysates from HT-29 cells
117-			using EIF2S2 antibody.
85-			
48-		FIFAGA	
34-	-	EIF2S2	
26-			
19-			