

## Product datasheet for **AP26039PU-S**

### EIF2S2 pSer2 Rabbit Polyclonal Antibody

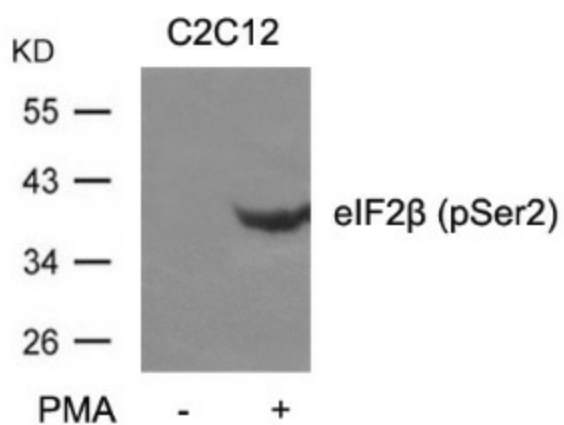
#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:500 - 1:1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of serine 2 derived from eIF2 $\beta$ .
Specificity:	This antibody detects endogenous levels of eIF2 $\beta$ only when phosphorylated at serine 2.
Formulation:	Phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity-chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Store (in aliquots) at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	eukaryotic translation initiation factor 2 subunit beta
Database Link:	<a href="#">Entrez Gene 67204 Mouse</a> <a href="#">Entrez Gene 8894 Human</a> <a href="#">P20042</a>
Background:	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.
Synonyms:	Eukaryotic translation initiation factor 2 subunit 2, eIF-2-beta, eIF2-beta
Note:	Molecular weight: 38 kDa



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## Product images:



Western blot analysis of extracts from C2C12 cells untreated or treated with PMA using eIF2β (phospho-Ser2) Antibody.