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EIF2S2 Rabbit pAb

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Catalog # AP59073

Product Information

Application	WB
Primary Accession	P20042
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38388
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EIF2S2
Epitope Specificity	2-100/333
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	8894
Other Names	Eukaryotic translation initiation factor 2 subunit 2, Eukaryotic translation initiation factor 2 subunit beta, eIF2-beta, EIF2S2, EIF2B
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

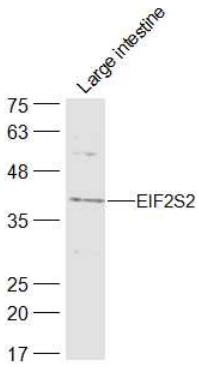
Name	EIF2S2
Synonyms	EIF2B
Function	Component of the eIF2 complex that functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA (PubMed:31836389). This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form the 43S pre-initiation complex (43S PIC). Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by

	hydrolysis of the GTP bound to eIF2 and release of an eIF2-GDP binary complex. In order for eIF2 to recycle and catalyze another round of initiation, the GDP bound to eIF2 must exchange with GTP by way of a reaction catalyzed by eIF2B (By similarity).
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:P56329}

Background

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Images



Sample:
Large intestine (Mouse) Lysate at 40 ug
Primary: Anti-EIF2S2 (AP59073) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 38 kD
Observed band size: 38 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.