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# Datasheet for ABIN657392 anti-EIF2S1 antibody (N-Term)

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### Overview

Quantity:	400 μL
Target:	EIF2S1
Binding Specificity:	AA 60-89, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

# Product Details

Target:	FIF2S1
Target Details	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Predicted Reactivity:	Zf, B, C, D, Rat, Y
Isotype:	Ig Fraction
Clone:	RB33288
Immunogen:	This EIF2S1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 60-89 amino acids from the N-terminal region of human EIF2S1.

Target:	EIF2S1
Alternative Name:	EIF2S1 (EIF2S1 Products)

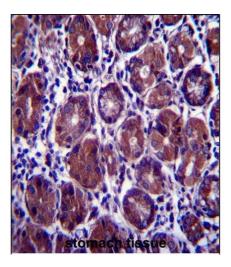
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN657392 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

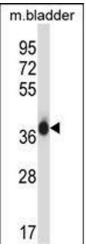
Target Details	
Background:	The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2, MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3, MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).
Molecular Weight:	36112
Gene ID:	1965
NCBI Accession:	NP_004085
UniProt:	P05198
Pathways:	Ribonucleoprotein Complex Subunit Organization, ER-Nucleus Signaling, Hepatitis C
Application Details	
Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

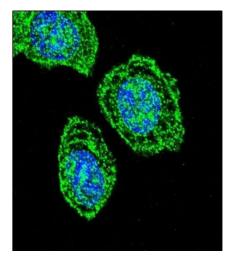
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	EIF2S1 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months
Publications	
Product cited in:	Yan, Xu, Zhang, Lu, Luo, Xu: "Aldehyde dehydrogenase 1A1 stabilizes transcription factor Gli2

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## Images







#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** EIF2S1 Antibody (N-term) (ABIN657392 and ABIN2846433) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of EIF2S1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### Western Blotting

**Image 2.** EIF2S1 Antibody (N-term) (ABIN657392 and ABIN2846433) western blot analysis in mouse bladder tissue lysates (35 µg/lane).This demonstrates the EIF2S1 antibody detected the EIF2S1 protein (arrow).

#### Immunofluorescence

**Image 3.** Confocal immunofluorescent analysis of EIF2S1 Antibody (N-term) (ABIN657392 and ABIN2846433) with Hela cell followed by Alexa Fluor 488-conjugated goat antirabbit IgG (green). DI was used to stain the cell nuclear (blue).

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