

Datasheet for ABIN629992

anti-EIF2S1 antibody (C-Term)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	EIF2S1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF2S1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	EIF2 S1 antibody was raised using the C terminal of EIF2 1 corresponding to a region with amino acids RGVFNVQMEPKVVTDTDETELARQMERLERENAEVDGDDDAEEMEAKAED
Specificity:	EIF2 S1 antibody was raised against the C terminal of EIF2 1
Purification:	Purified

Target Details

Target:	EIF2S1
Alternative Name:	EIF2S1 (EIF2S1 Products)
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

Target Details

subunits, alpha (36 kDa), beta (38 kDa), and gamma (52 kDa). The rate of formation of the ternary complex is modulated by the phosphorylation state of eIF2-alpha.

Molecular Weight: 35 kDa (MW of target protein)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#), [ER-Nucleus Signaling](#), [Hepatitis C](#)

Application Details

Application Notes: WB: 1.25 µg/mL, IHC: 4-8 µg/mL
Optimal conditions should be determined by the investigator.

Comment: EIF2S1 Blocking Peptide, catalog no. 33R-7946, is also available for use as a blocking control in assays to test for specificity of this EIF2S1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of EIF0 1 antibody in PBS

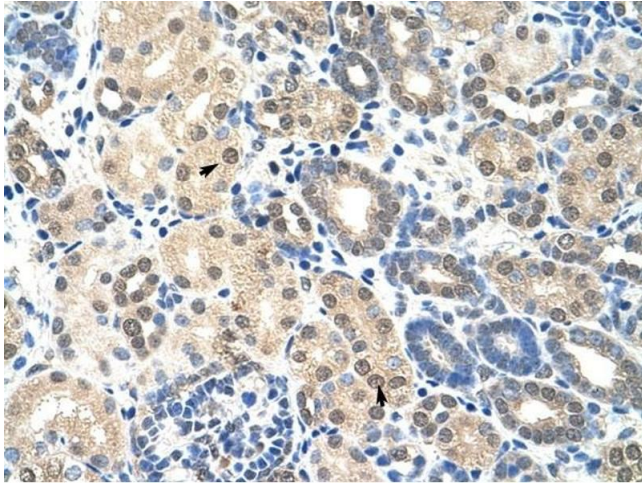
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

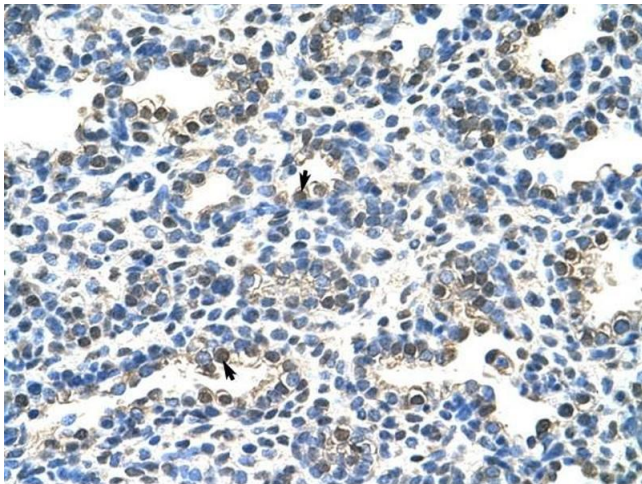
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



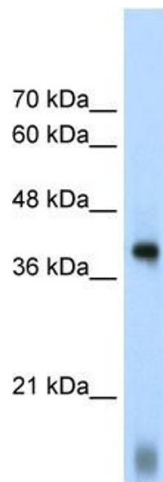
Immunohistochemistry

Image 1. EIF2S1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Epithelial cells of renal tubule (arrows) in Human Kidney. Magnification is at 400X



Immunohistochemistry

Image 2. EIF2S1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Alveolar cells (arrows) in Human Lung. Magnification is at 400X.



Western Blotting

Image 3. EIF2S1 antibody used at 1.25 ug/ml to detect target protein.