

Datasheet for ABIN2789974
anti-EIF3I antibody (C-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	EIF3I
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Horse, Rabbit, Dog, Guinea Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3I antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Sequence:	NVKEHSRQIN DIQLSRDMTM FVTASKDNTA KLFDSTTLEH QKTFRTERPV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against EIF3I. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	EIF3I
Alternative Name:	EIF3I (EIF3I Products)
Background:	EIF3I is a component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is

Target Details

required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAⁱ and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

Alias Symbols: EIF3S2, PRO2242, TRIP-1, TRIP1, eIF3-beta, eIF3-p36

Protein Interaction Partner: HUWE1, UBC, SUMO2, SUMO3, RNF2, rev, EIF3G, HECW2, EIF3B, CDK18, TARDBP, NPM1, ICAM1, CD81, IGSF8, PAN2, EIF3D, VCAM1, ITGA4, METTL18, gag-pol, DDX3X, PAXIP1, LIG4, EIF3L, EIF3K, EIF3M, EIF3H, EIF3F, EIF3C, EIF3A, EIF3E, CUL3, CDK2, YWHAZ, SIRT7, ARRB1, R

Protein Size: 325

Molecular Weight: 36 kDa

Gene ID: 8668

NCBI Accession: [NM_003757](#), [NP_003748](#)

UniProt: [Q13347](#)

Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Ribonucleoprotein Complex Subunit Organization](#), [Synthesis of DNA](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 325 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

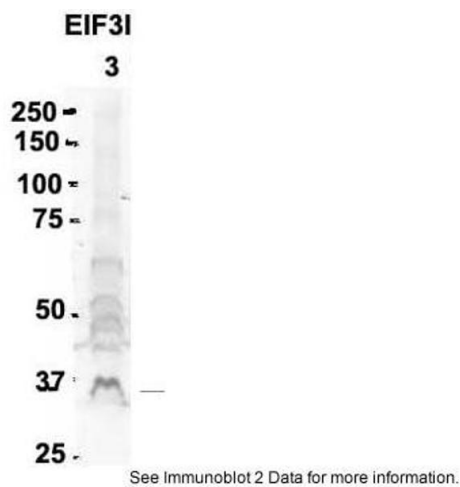
Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

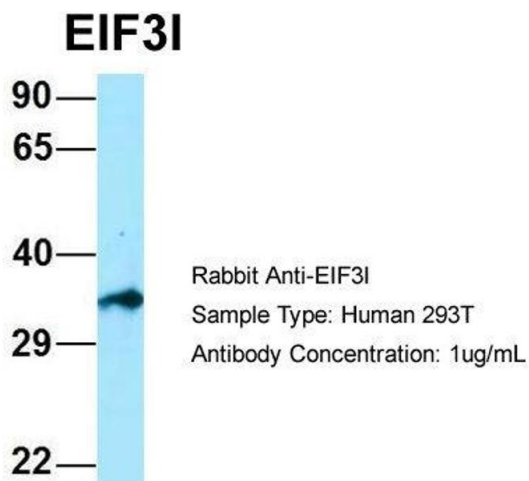
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

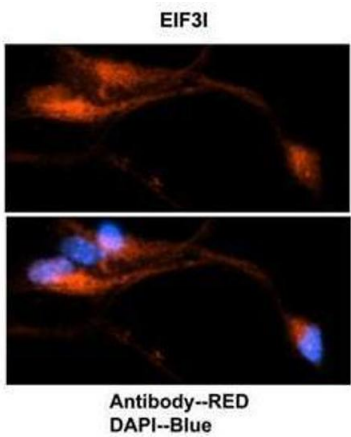
Images



Western Blotting
Image 1. Sample Type: 3. rat brain extract (80ug)
Primary Antibody Dilution: 2ug/ml
Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience
Secondary Antibody Dilution: 1: 20,000
Image Submitted by: Yuzhi Chen
University of Arkansas for Medical Science



Western Blotting
Image 2. Host: Rabbit
Target Name: EIF3I
Sample Tissue: Human 293T
Antibody Dilution: 1.0 µg/mL



See IHC 1 Data and Customer Feedback for more information

Immunohistochemistry

Image 3. Sample Type: Mouse brain stem cells

Primary Antibody Dilution: 1:500

Secondary Antibody: Goat anti-rabbit Alexa-Fluor 594

Secondary Antibody Dilution: 1:0000

Color/Signal Descriptions: EIF3I: Red DAPI: Blue

Gene Name: EIF3I

Submitted by: Dr. Yuzhi Chen, University of Arkansas for Medical Science