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Datasheet for ABIN7152163

anti-EIF3I antibody (AA 1-323) (Biotin)

Overview

Quantity:	100 µg
Target:	EIF3I
Binding Specificity:	AA 1-323
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3I antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Eukaryotic translation initiation factor 3 subunit I protein (1-323AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	EIF3I
Alternative Name:	EIF3I (EIF3I Products)
Background:	Background: Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632,

Target Details

PubMed:25849773, PubMed:27462815). 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 pre-initiation 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 post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:17581632). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773).

Aliases: eIF-3-beta antibody, eIF3 beta antibody, eIF3 p36 antibody, eIF3-beta antibody, eIF3-p36 antibody, eIF3i antibody, EIF3L_HUMAN antibody, EIF3S2 antibody, EIF3S2, formerly antibody, Eukaryotic translation initiation factor 3 subunit 2 antibody, Eukaryotic translation initiation factor 3 subunit 2 beta antibody, Eukaryotic translation initiation factor 3 subunit I antibody, eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD antibody, eukaryotic translation initiation factor 3, subunit 2 beta, 36 kDa antibody, eukaryotic translation initiation factor 3, subunit 2, formerly antibody, eukaryotic translation initiation factor 3, subunit I antibody, Predicted protein of HQ2242 antibody, PRO2242 antibody, TGF beta receptor interacting protein 1 antibody, TGF-beta receptor-interacting protein 1 antibody, TGFbeta receptor interacting protein 1 antibody, TGFbeta receptor-interacting protein 1 antibody, TRIP 1 antibody, TRIP-1 antibody, TRIP1 antibody

UniProt:	Q13347
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Ribonucleoprotein Complex Subunit Organization , Synthesis of DNA

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.