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Datasheet for ABIN7152146
anti-EIF3A antibody (AA 1288-1379) (Biotin)

Overview

Quantity:	100 µg
Target:	EIF3A
Binding Specificity:	AA 1288-1379
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3A antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Eukaryotic translation initiation factor 3 subunit A protein (1288-1379AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	EIF3A
Alternative Name:	EIF3A (EIF3A 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. The eIF-3 complex associates

Target Details

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. Essential for the initiation of translation on type-1 viral ribosomal entry sites (IRESs), like for HCV, PV, EV71 or BEV translation (PubMed:23766293, PubMed:24357634). In case of FCV infection, plays a role in the ribosomal termination-reinitiation event leading to the translation of VP2 (PubMed:18056426).

Aliases: centrosomin homolog antibody, cytoplasmic protein p167 antibody, eIF 3 theta antibody, eIF-3-theta antibody, EIF3 antibody, eIF3 p167 antibody, eIF3 p170 antibody, eIF3 p180 antibody, EIF3 p180 subunit antibody, eIF3 p185 antibody, eIF3 theta antibody, eIF3a antibody, EIF3A_HUMAN antibody, EIF3S10 antibody, eukaryotic translation initiation factor 3 subunit 10 (theta 150 170kD) antibody, eukaryotic translation initiation factor 3 subunit 10 (theta 170kD) antibody, eukaryotic translation initiation factor 3 subunit 10 170 kDa antibody, Eukaryotic translation initiation factor 3 subunit 10 antibody, eukaryotic translation initiation factor 3 subunit 10 theta 150 170 kDa antibody, Eukaryotic translation initiation factor 3 subunit A antibody, OTTHUMP00000020589 antibody, P167 antibody, p180 antibody, p185 antibody, TIF32 antibody

UniProt: [Q14152](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

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

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.