Datasheet for ABIN129687

anti-EIF3F antibody (AA 114-125)

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Overview

Quantity:	100 µg
Target:	EIF3F
Binding Specificity:	AA 114-125
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3F antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 114-125 of human eIF3f protein.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Chimpanzee, Chicken, Sheep (Ovine)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	EIF3F
Alternative Name:	EIF3F (EIF3F Products)

Target Details

Background:	EIF3f, also known as eukaryotic translation initiation factor 3 subunit 5, eIF-3 epsilon, and eIF3 p47 subunit, binds to the 40S ribosome and promotes the binding of methionyl-tRNA and mRNA. EIF3f also associates with the complex p170-eIF3. eIF-3 is composed of at least 12 different subunits, eIF3f is one of these subunits. Synonyms: eIF 3 epsilon antibody, eIF3 p47 antibody, eIF3 p47 subunit antibody, EIF3S5 antibody, Eukaryotic translation initiation factor 3 subunit 5 antibody
Gene ID:	8665, 6685511
UniProt:	O00303
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	This affinity-purified antibody has been tested for use in ELISA, western blot and immunoprecipitation. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 38 kDa in size by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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:	-20 °C

Publications

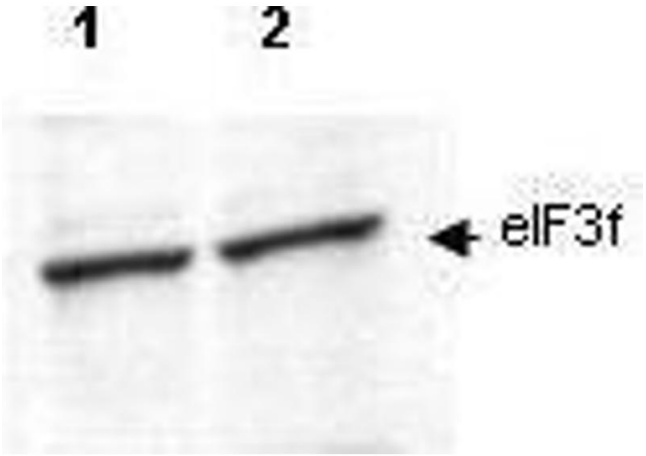
Product cited in:	Daniel, Russ, Guthridge, Raina, Estes, Parsons, Richardson, Schroeder, Zarnescu: "miR-9a mediates the role of Lethal giant larvae as an epithelial growth inhibitor in Drosophila." in: **Biology open**, Vol. 7, Issue 1, (2018) (PubMed).

Publications

Bankoti, Ogawa, Nguyen, Emadi, Couse, Salehi, Fan, Dhall, Wang, Brown, Funari, Tang, Martins: " Differential regulation of Effector and Regulatory T cell function by Blimp1." in: **Scientific reports**, Vol. 7, Issue 1, pp. 12078, (2017) (PubMed).

Guo, Maeda, Ma, Delgado, Sohn, Miers, Ko, Bannerman, Xu, Wang, Zhou, Takebayashi, Pleasure: "Macroglial plasticity and the origins of reactive astroglia in experimental autoimmune encephalomyelitis." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 31, Issue 33, pp. 11914-28, (2011) (PubMed).

Images



Western Blotting

Image 1. Western blot using affinity purified anti-eIF3f antibody shows detection of endogenous eIF3f in lysates from both control HeLa cells (lane 1) and HeLa cells transformed with the kinase cdk11 (lane 2). Cdk11 is responsible for phosphorylating eIF3f in vivo. After SDS-PAGE and transfer, the membrane was probed with the primary antibody diluted to 1:200. This antibody recognizes both phosphorylated and non-phosphorylated eIF3f. Personal Communication, Jiaqi Shi, Univ. Arizona, Tucson, AZ.