

### Certificate of Analysis

**Product:** Affinity Purified Anti-eIF3f (Rabbit)

**Code:** 600-401-934

**Lot #:** 17403

**Size:** 100 µg

**Physical State:** Liquid (sterile filtered)

**Antibody Concentration:** 0.78 mg/ml (by UV absorbance at 280 nm)

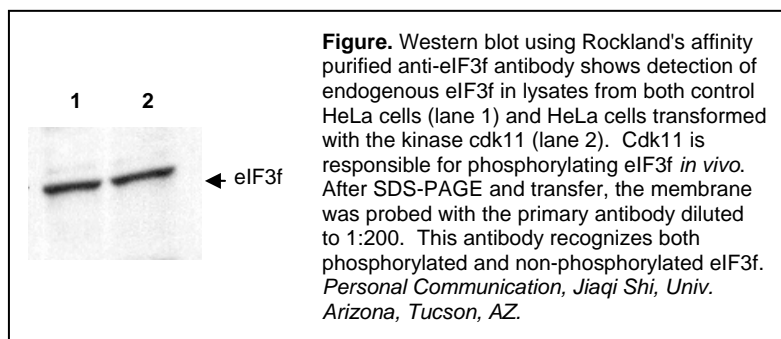
**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Stabilizer:** None

**Preservative:** 0.01% (w/v) Sodium Azide

**Storage Conditions:** Store vial at -20° C prior to opening. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of opening.

**Background Information:** 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.



**Recommended Dilutions:**

<b>ELISA</b>	1:10,000 - 1:40,000
<b>WESTERN BLOT</b>	1:200 - 1:2,000
<b>IF MICROSCOPY</b>	User Optimized
<b>OTHER APPLICATION</b>	User Optimized

**Application Note(s):** 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.

**Purity and Specificity:** This affinity-purified antibody is directed against human eIF3f protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with eIF3f protein from human, mouse, rat, chimpanzee, chicken, and bovine based on 100% homology with the immunizing sequence. Partial reactivity is expected against eIF3f from *Drosophila melanogaster* and *Tetraodon nigroviridis* (pufferfish) based on 90% homology of the immunizing sequence with eIF3f from these sources. Reactivity against homologues from other sources is not known.

**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.

**Relevant Links:**

NCBI [O00303](#)

Swis-Prot [O00303](#)

**Protein Sequence:** Human eIF3f, 357 aa, predicted MW 37.6 kDa

1	matpavpvs	ppatptpvpa	aapasvpapt	papaaapvpa	aapassdpa	aaaaataapg
61	qtpasaqapa	qtpapalpqp	alpgpfpqgr	vvrlhpvila	sivdsyerrn	egaar <b>vigtl</b>
121	<b>lgtvd</b> khsve	vtncfsvphn	esedevavdm	efaknmyelh	kkvspneil	gwyatghdit
181	ehsvlihey	sreapnpihl	tvdtslqng	msikayvstl	mgvpgrtmgv	mftpltkya
241	yydterigvd	limktcfspn	rviglssdlq	qvggasariq	dalstvlqya	edvlsqkvs
301	dntvgrfims	lvnqvkvip	ddfetmlnsn	indllmvtyl	anltqsqial	neklvnl

**General References:**

Asano, K., Vornlocher, H.P., Richter-Cook, N.J., Merrick, W.C., Hinnebusch, A.G. and Hershey, J.W. (1997) Structure of cDNAs encoding human eukaryotic initiation factor 3 subunits. Possible roles in RNA binding and macromolecular assembly. *J. Biol. Chem.* **272** (43), 27042-27052.

**Related Products:**

#[611-703-127](#) Peroxidase Conjugated Affinity Purified Anti-RABBIT IgG (H&L) (DONKEY) MX10  
 #[611-132-122](#) IRDye800 Conjugated Affinity Purified Anti-RABBIT IgG (H&L) (GOAT) MX10  
 #[B501-0500](#) 500 g BLOTTO  
 #[BSA-30](#) 500 ml 30% BOVINE SERUM ALBUMIN SOL'N in 0.85% sodium chloride (no preservative or stabilizer)  
 #[B304](#) 10 ml NORMAL GOAT SERUM (NGS)  
 #[MB-070](#) Blocking Buffer for Fluorescent Western Blotting  
 #[KIA-003](#) **MaxTag**<sup>TM</sup> Anti-RABBIT IgG Kit for Immunoblotting  
 #[MB-070](#) Blocking Buffer for Fluorescent Western Blotting

**USDA Certification:** All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation.

**Note:** This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.