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# Datasheet for ABIN2783254 anti-eEF1A1 antibody (C-Term)

4 Images

1 Publication



## Overview

Quantity:	100 µL
Target:	eEF1A1 (EEF1A1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Sheep, Goat, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This eEF1A1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human EEF1A1
Sequence:	IVDMVPGKPM CVESFSDYPP LGRFAVRDMR QTVAVGVIKA VDKKAAGAGK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against EEF1A1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified
Target Details	
Target:	eEF1A1 (EEF1A1)

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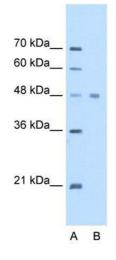
Target Details	
Alternative Name:	EEF1A1 (EEF1A1 Products)
Background:	EEF1A1 is an isoform of the alpha subunit of the elongation factor-1 complex, which is
	responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This isoform (alpha
	1) is expressed in brain, placenta, lung, liver, kidney, and pancreas, and the other isoform (alpha
	2) is expressed in brain, heart and skeletal muscle. This isoform is identified as an autoantigen
	in 66 % of patients with Felty syndrome. This gene encodes an isoform of the alpha subunit of
	the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl
	tRNAs to the ribosome. This isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney,
	and pancreas, and the other isoform (alpha 2) is expressed in brain, heart and skeletal muscle.
	This isoform is identified as an autoantigen in 66 % of patients with Felty syndrome. This gene
	has been found to have multiple copies on many chromosomes, some of which, if not all,
	represent different pseudogenes. Publication Note: This RefSeq record includes a subset of the
	publications that are available for this gene. Please see the Entrez Gene record to access
	additional publications.
	Alias Symbols: CCS-3, CCS3, EEF-1, EEF1A, EF-Tu, EF1A, FLJ25721, GRAF-1EF, HNGC:16303,
	LENG7, MGC102687, MGC131894, MGC16224, PTI1, eEF1A-1, EE1A1
	Protein Interaction Partner: GPX7, FUS, UBC, ISG15, SUMO3, CEP250, TUBGCP2, TUBG1, TP53,
	AURKA, SUMO2, STAU1, ALPL, LGR4, MDM2, RPA3, RPA2, RPA1, SHFM1, rev, PPP1CB, PFKP,
	GAPDH, PARK2, TRAP1, FBXO6, EGFR, ADRB2, RAD52, NPM1, CD81, BBS4, BBS2, BBS1, AICDA,
	STAT6, RBBP8, FN1, CDC25A,
	Protein Size: 462
Molecular Weight:	50 kDa
Gene ID:	1915
NCBI Accession:	NM_001402, NP_001393
UniProt:	P68104
Application Details	
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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 462 AA
Restrictions:	For Research Use only

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sucrose.   Preservative: Sodium azide   Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE whi 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 saliquots to prevent freeze-thaw cycles.   Publications Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Fi Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by maging of human protein-protein interacting by maging of human protein-protein interactions by	Lot specific   Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.   Sodium azide   Jse: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   re: Avoid repeated freeze-thaw cycles.   -20 °C   nent: 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.	-	
Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 sucrose.   Preservative: Sodium azide   Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE whi 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 saliquots to prevent freeze-thaw cycles.   Publications Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Fi Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mage."	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.   Sodium azide   Jse: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   se: Avoid repeated freeze-thaw cycles.   -20 °C -20 °C   nent: 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.   s S   store Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass	Format:	Liquid
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spectrometry" In: <b>Molecular systems biology</b> , Vol. 3, pp. 89, (2007) (PubMed).		Product cited in:	Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass

## Images

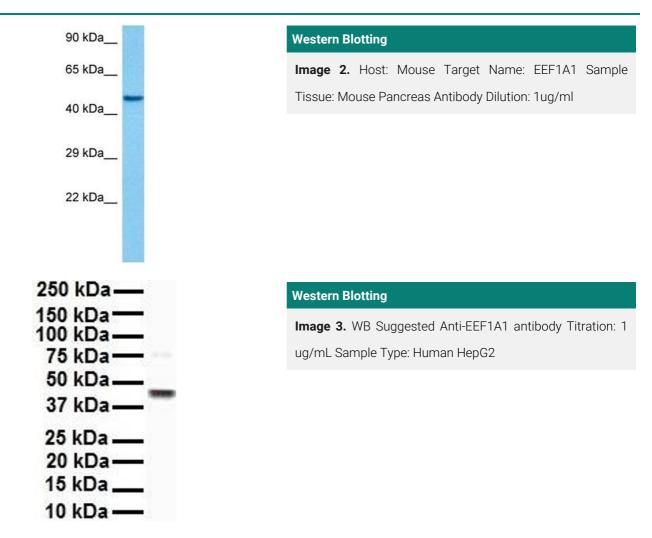


#### Western Blotting

**Image 1.** WB Suggested Anti-EEF1A1 Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate EEF1A1 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells

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## Images



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