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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:<br>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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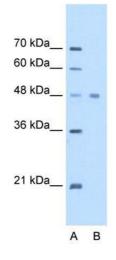
| Target Details      |   |
|---------------------|---|
| Alternative Name:   | EEF1A1 (EEF1A1 Products)  |
| Background:         | EEF1A1 is an isoform of the alpha subunit of the elongation factor-1 complex, which is              |
|                     | responsible for the enzymatic delivery of aminoacyl 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 |   |
| , pphoation betails |   |

| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
|--------------------|--|
| Comment:           | Antigen size: 462 AA   |
| Restrictions:      | For Research Use only  |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN2783254 | 09/11/2023 | Copyright antibodies-online. All rights reserved. Handling

| 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  |
| 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   | 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   xe: 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  | Concentration:     | Lot specific  |
| 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 a aliquots to prevent freeze-thaw cycles.   Publications Publications   Product cited in: Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Darsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Fi Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by manual states.  | Jse:This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which<br>should be handled by trained staff only.se:Avoid repeated freeze-thaw cycles20 °Cnent:For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small<br>aliquots to prevent freeze-thaw cycles.SSEwing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor,<br>Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha,<br>Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass  | Buffer:            |   |
| should be handled by trained staff only.Handling Advice:Avoid repeated freeze-thaw cycles.Storage:-20 °CStorage Comment:For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in a aliquots to prevent freeze-thaw cycles.PublicationsEwing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Falambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by manual content of the store of | Avoid repeated freeze-thaw cycles20 °Chent:For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small<br>aliquots to prevent freeze-thaw cycles.SForEwing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor,<br>Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha,<br>Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass  | Preservative:      | Sodium azide  |
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| Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-F<br>Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by m  | Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha,<br>Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass   | Publications       |   |
| 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,<br>Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass |

## Images

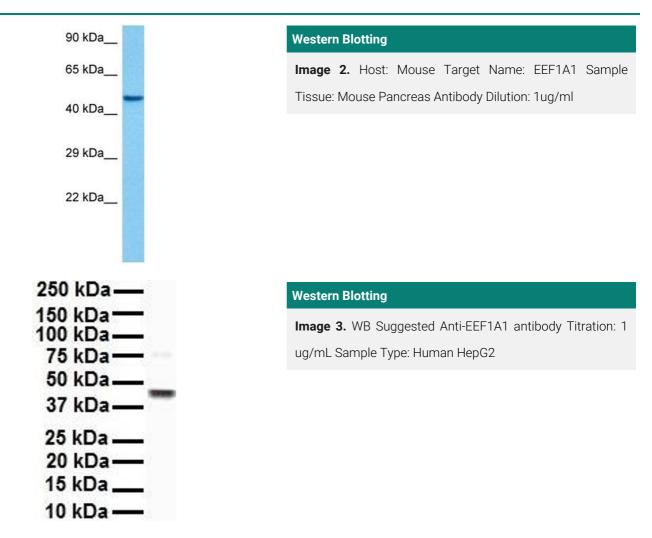


#### Western Blotting

**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



Please check the product details page for more images. Overall 4 images are available for ABIN2783254.