

# EEF1B2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP20573a

## Product Information

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<b>Application</b>	WB, IHC-P, IF, FC, E
<b>Primary Accession</b>	<a href="#">P24534</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB48012
<b>Calculated MW</b>	24764

## Additional Information

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<b>Gene ID</b>	1933
<b>Other Names</b>	Elongation factor 1-beta, EF-1-beta, EEF1B2, EEF1B, EF1B
<b>Target/Specificity</b>	This EEF1B2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 54-86 amino acids from the Central region of human EEF1B2.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 IF~~1:25 FC~~1:25 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	EEF1B2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	EEF1B2
<b>Synonyms</b>	EEF1B, EF1B
<b>Function</b>	Catalytic subunit of the guanine nucleotide exchange factor (GEF) (eEF1B subcomplex) of the eukaryotic elongation factor 1 complex (eEF1) (By similarity). Stimulates the exchange of GDP for GTP on elongation factor 1A

(eEF1A), probably by displacing GDP from the nucleotide binding pocket in eEF1A (By similarity).

## Background

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EF-1-beta and EF-1-delta stimulate the exchange of GDP bound to EF-1-alpha to GTP.

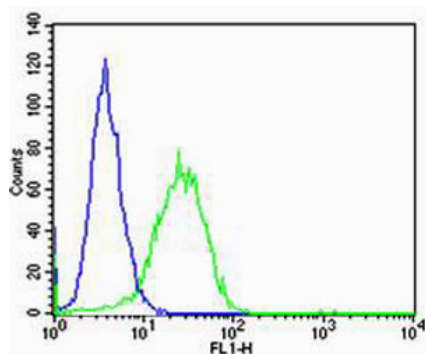
## References

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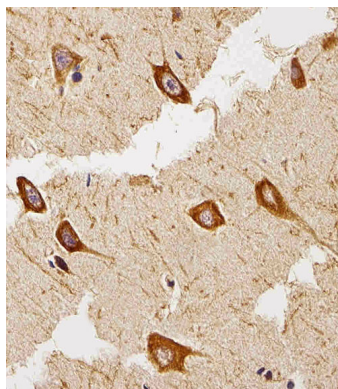
Sanders J., et al. *Nucleic Acids Res.* 19:4551-4551(1991).  
von der Kammer H., et al. *Biochem. Biophys. Res. Commun.* 177:312-317(1991).  
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).

## Images

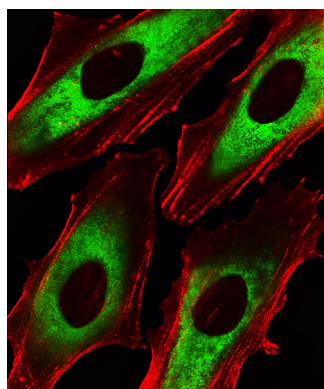
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Flow cytometric analysis of HeLa cells using EEF1B2 Antibody (Center)(green, Cat#AP20573a) compared to an isotype control of rabbit IgG(blue). AP20573a was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

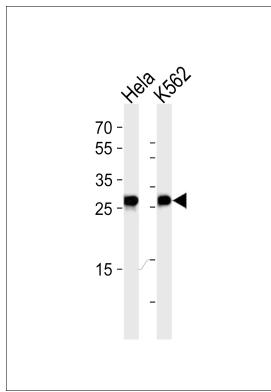


Immunohistochemical analysis of paraffin-embedded H. brain section using EEF1B2 Antibody (Center)(Cat#AP20573a). AP20573a was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Fluorescent image of HeLa cells stained with EEF1B2 Antibody (Center)(Cat#AP20573a). AP20573a was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

Western blot analysis of lysates from HeLa, K562 cell line



(from left to right), using EEF1B2 Antibody (Center)(Cat. #AP20573a). AP20573a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.