

## ARG42704 anti-eIF2B alpha antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes eIF2B alpha
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eIF2B alpha
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human eIF2B alpha. (AESFKFVRLFPLNQD)
Conjugation	Un-conjugated
Alternate Names	Translation initiation factor eIF-2B subunit alpha; EIF2B; eIF-2B GDP-GTP exchange factor subunit alpha; EIF2BA

### Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 34 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.01% Sodium azide and 4% Trehalose.
Preservative	0.01% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

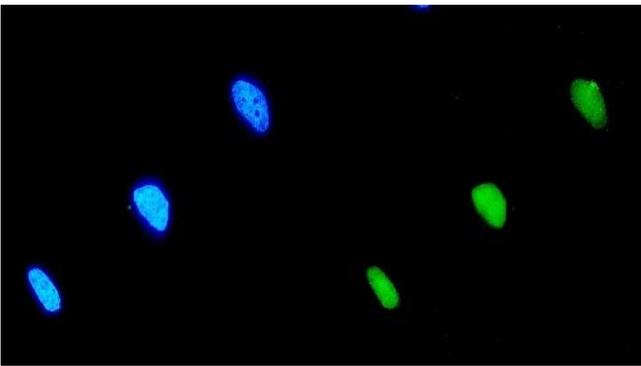
Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	EIF2B1
Gene Full Name	eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa
Background	This gene encodes one of five subunits of eukaryotic translation initiation factor 2B (EIF2B), a GTP exchange factor for eukaryotic initiation factor 2 and an essential regulator for protein synthesis. Mutations in this gene and the genes encoding other EIF2B subunits have been associated with leukoencephalopathy with vanishing white matter. [provided by RefSeq, Oct 2009]
Function	Catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. [UniProt]
Calculated Mw	34 kDa

## Images



ARG42704 anti-eIF2B alpha antibody ICC/IF image

Immunofluorescence: HeLa cells were blocked with 10% goat serum and then stained with ARG42704 anti-eIF2B alpha antibody (green) at 5 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.

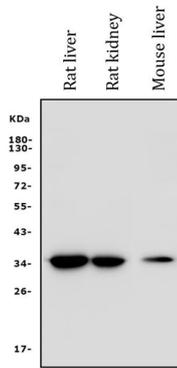


ARG42704 anti-eIF2B alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42704 anti-eIF2B alpha antibody at 2 µg/ml dilution, overnight at 4°C.

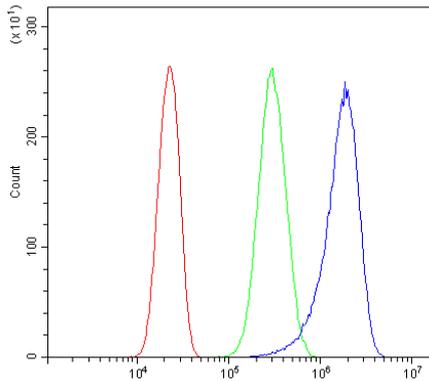
### ARG42704 anti-eIF2B alpha antibody WB image

Western blot: 50 µg of samples under reducing condition. Rat liver, Rat kidney and Mouse liver lysates stained with ARG42704 anti-eIF2B alpha antibody at 0.5 µg/ml dilution, overnight at 4°C.



### ARG42704 anti-eIF2B alpha antibody FACS image

Flow Cytometry: PC-3 cells were blocked with 10% normal goat serum and then stained with ARG42704 anti-eIF2B alpha antibody (blue) at 1 µg/10<sup>6</sup> cells for 30 min at 20°C, followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



### ARG42704 anti-eIF2B alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42704 anti-eIF2B alpha antibody at 2 µg/ml dilution, overnight at 4°C.

