

ARG58646 anti-eEF1D antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eEF1D
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eEF1D
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-160 of Human eEF1D (NP_001123529.1).
Conjugation	Un-conjugated
Alternate Names	Antigen NY-CO-4; FP1047; EF-1-delta; EF1D; EF-1D; Elongation factor 1-delta

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50 - 1:200
	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.	
Positive Control	A549	
Observed Size	38 kDa	

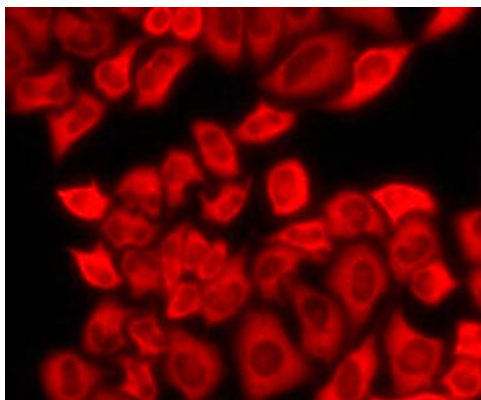
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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.

Bioinformation

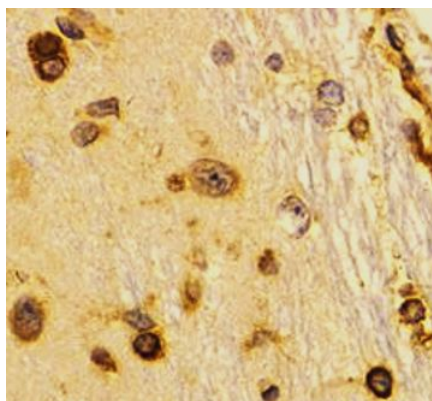
Gene Symbol	EEF1D
Gene Full Name	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)
Background	This gene encodes a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit, delta, functions as guanine nucleotide exchange factor. It is reported that following HIV-1 infection, this subunit interacts with HIV-1 Tat. This interaction results in repression of translation of host cell proteins and enhanced translation of viral proteins. Several alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. Related pseudogenes have been defined on chromosomes 1, 6, 7, 9, 11, 13, 17, 19.[provided by RefSeq, Aug 2010]
Function	<p>Isoform 1: EF-1-beta and EF-1-delta stimulate the exchange of GDP bound to EF-1-alpha to GTP, regenerating EF-1-alpha for another round of transfer of aminoacyl-tRNAs to the ribosome.</p> <p>Isoform 2: Regulates induction of heat-shock-responsive genes through association with heat shock transcription factors and direct DNA-binding at heat shock promoter elements (HSE). [UniProt]</p>
Calculated Mw	31 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG58646 anti-eEF1D antibody ICC/IF image

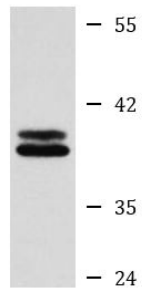
Immunofluorescence: U2OS cells stained with ARG58646 anti-eEF1D antibody.



ARG58646 anti-eEF1D antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG58646 anti-eEF1D antibody at 1:200 dilution.

ARG58646 anti-eEF1D antibody WB image



Western blot: 25 µg of A549 cell lysate stained with ARG58646 anti-eEF1D antibody at 1:1000 dilution.

A549