

EEF1D Rabbit pAb

Catalog # AP98759

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P29692
Other Accession	P29692
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31122
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EEF1D
Epitope Specificity	1-100/281
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the EF-1-beta/EF-1-delta family.
SUBUNIT	EF-1 is composed of 4 subunits: alpha, beta, delta isoform 1, and gamma. Isoform 2 interacts with HSF1 and NFE2L2.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 a 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].

Additional Information

Gene ID	1936
Other Names	EF-1D; EF1D; FP1047; NEDTCHAL; EF1D_HUMAN; EEF1D; EF-1-delta; Antigen NY-CO-4; eukaryotic translation elongation factor 1 delta; eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)
Dilution	IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	EEF1D
Synonyms	EF1D
Function	[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.
Cellular Location	[Isoform 2]: Nucleus
Tissue Location	Isoform 2 is specifically expressed in brain, cerebellum and testis

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