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EEF1D Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6523a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P29692
Other Accession	Q68FR9, P57776, Q4R3D4
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19609
Calculated MW	31122
Antigen Region	1-30

Additional Information

Gene ID	1936
Other Names	Elongation factor 1-delta, EF-1-delta, Antigen NY-CO-4, EEF1D, EF1D
Target/Specificity	This EEF1D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human EEF1D.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	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.
Precautions	EEF1D Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

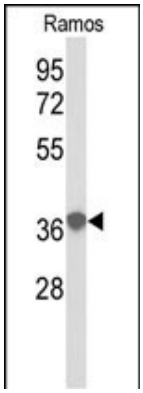
Background

EEF1D is a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit functions as guanine nucleotide exchange factor. It is reported that this subunit interacts with HIV-1 Tat, and thus it represses the translation of host-cell, but not HIV-1, mRNAs.

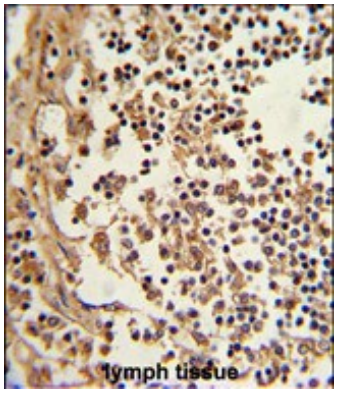
References

Yang,S., BMC Cancer 7, 211 (2007)
Mulner-Lorillon,O., J. Biol. Chem. 269 (31), 20201-20207 (1994)

Images

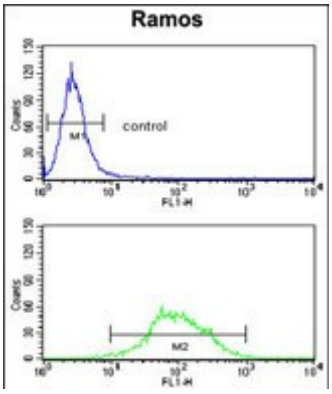


Western blot analysis of EEF1D antibody (N-term) (Cat.# AP6523a) in Ramos cell line lysates (35ug/lane). EEF1D (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lymph reacted with EEF1D Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

EEF1D Antibody (N-term) (Cat. #AP6523a) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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