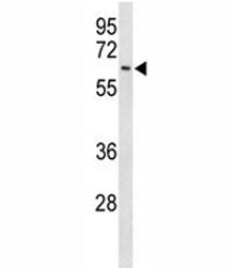
EIF2A Antibody (F51764)

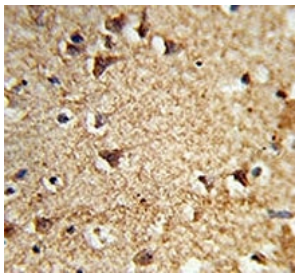
Catalog No.	Formulation	Size
F51764-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51764-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

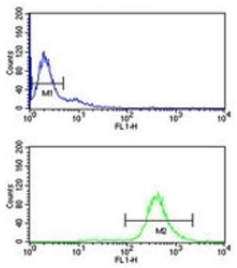
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9BY44
Localization	Cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This EIF2A antibody is available for research use only.



Western blot analysis of EIF2A antibody and Ramos lysate. Predicted molecular weight: 62, 58, 41 kDa.



IHC analysis of FFPE human brain tissue stained with EIF2A antibody



EIF2A antibody flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

EIF2A functions in the early steps of protein synthesis of a small number of specific mRNAs. Acts by directing the binding of methionyl-tRNAi to 40S ribosomal subunits. In contrast to the eIF-2 complex, it binds methionyl-tRNAi to 40 S subunits in a codon-dependent manner, whereas the eIF-2 complex binds methionyl-tRNAi to 40 S subunits in a GTP-dependent manner. May act by impiging the expression of specific proteins. [UniProt]

Application Notes

Titration of the EIF2A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 437-465 from the human protein was used as the immunogen for this EIF2A antibody.

Storage

Aliquot the EIF2A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.