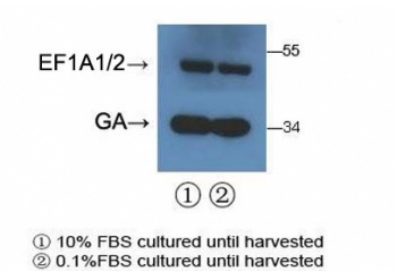
EEF1A1/2 Antibody (F54864)

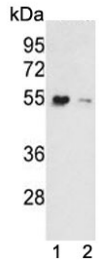
Catalog No.	Formulation	Size
F54864-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54864-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

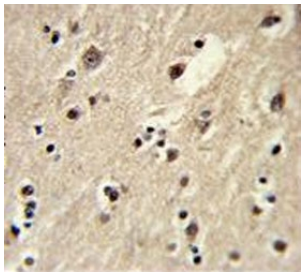
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P68104
Localization	Cytoplasmic, nuclear
Applications	Flow cytometry: 1:10-1:50 (1x10e6 cells) Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This EEF1A1/2 antibody is available for research use only.



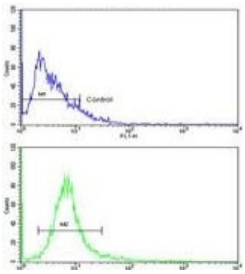
Western blot testing of human 293T cell lysate with EEF1A1/2 antibody and a GADPH loading control Ab. Predicted molecular weight ~50 kDa.



Western blot testing of human 1) Y79 and 2) T-47D cell lysate with EEF1A1/2 antibody. Predicted molecular weight ~50 kDa.



IHC testing of FFPE human brain tissue with EEF1A1/2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human NCI-H292 cells with EEF1A1/2 antibody; Blue=isotype control, Green= EEF1A1/2 antibody.

Description

EEF1A1 is an isoform of the alpha subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney, and pancreas, and the other isoform (alpha 2) is expressed in brain, heart and skeletal muscle. This isoform is identified as an autoantigen in 66% of patients with Felty syndrome.

Explore our EEF1A1/2 Antibody / Translation Elongation Factor Antibody for additional information on these highly conserved regulators of protein synthesis, cellular homeostasis, and cytoskeletal dynamics.

Application Notes

The stated application concentrations are suggested starting points. Titration of the EEF1A1/2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 46-72 from the human EEF1A1 protein was used as the immunogen for the EEF1A1/2 antibody.

Storage

Aliquot the EEF1A1/2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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