



EF-1 α 1/2 (Acetyl Lys146) mouse mAb

Catalog No	BYmab-16099
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	EEF1A1 EEF1A EF1A LENG7
Protein Name	EF-1 α 1/2 (Acetyl Lys146)
Immunogen	Synthesized peptide derived from human EF-1 α 1/2 (Acetyl Lys146)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat EF-1 α 1/2 (Acetyl Lys146)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	Elongation factor 1-alpha 1 (EF-1-alpha-1;Elongation factor Tu;EF-Tu;Eukaryotic elongation factor 1 A-1;eEF1A-1;Leukocyte receptor cluster member 7)
Observed Band	51kD
Cell Pathway	Cytoplasm . Nucleus . Nucleus, nucleolus . Cell membrane . Colocalizes with DLC1 at actin-rich regions in the cell periphery (PubMed:19158340). Translocates together with ZPR1 from the cytoplasm to the nucleus and nucleolus after treatment with mitogens (PubMed:8650580). Localization at the cell membrane depends on EEF1A1 phosphorylation status and the presence of PPP1R16B (PubMed:26497934). .
Tissue Specificity	Brain, placenta, lung, liver, kidney, pancreas but barely detectable in heart and skeletal muscle.
Function	caution:Could be the product of a pseudogene.,function:This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.,similarity:Belongs to the GTP-binding elongation factor family. EF-Tu/EF-1A subfamily.,subunit:Found in a nuclear export complex with XPO5, EEF1A1, Ran and aminoacylated tRNA. Interacts with XPO5. May interact with ERGIC2.,tissue specificity:Brain, placenta, lung, liver, kidney, pancreas but

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Background

This gene encodes 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. This gene has been found to have multiple copies on many chromosomes, some of which, if not all, represent different pseudogenes. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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