Datasheet for ABIN1107053

anti-eEF1A1 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	eEF1A1 (EEF1A1)
Binding Specificity:	N-Term
Reactivity:	Bacteria
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This eEF1A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	E. coli K-12 C600 Rif (pKT146) bacteria
Clone:	9E2
Isotype:	IgG2a
Specificity:	The monoclonal antibody 900 recognizes elongation factor Tu (EF-Tu), a 43 kDa multifunctional protein present in Escherichia coli. The antibody recognizes EF-Tu in organisms belonging to bacterial and archaeal domains, yet no organisms from the eukaryotic domain. The panbacterial distribution of EF-Tu, which is present in large amounts in every prokaryotic cell, renders this protein a good candidate for diagnostic purposes. The highly conserved epitope recognized by monoclonal antibody 900 is located at the very end of the N-terminus of the EF-Tu molecule (SKEKFE).
Cross-Reactivity (Details):	Species reactivity (tested):E. coli. Cross react with Bacteroides fragilis, Streptococcus oralis,

Product Details

	Bacillus subtilis, Pseudomonas aeruginosa, Burkholderia cepacia, and Deinococcus sp., weakly cross reacts with Mycobacterium tuberculosis.
Purification:	Protein G purified

Target Details

Target:	eEF1A1 (EEF1A1)
Alternative Name:	EEF1A1 / LENG7 (EEF1A1 Products)
Background:	EF-Tu is one of the most abundant proteins present in prokaryotes, representing about 5 % of the total cellular protein of E. coli. During protein biosynthesis, the elongation process, EF-Tu catalyzes the binding of each aminoacyl-tRNA to the ribosome. It also interacts with several macromolecules and guanine nucleotides, including EF-Ts, GDP, GTP, and some ribosomal proteins.Synonyms: CCS-3, CCS3, EEF1A, EF-1-alpha-1, EF-Tu, EF1A, Elongation factor 1 alpha 1, Elongation factor Tu, Eukaryotic elongation factor 1 A-1, FLJ25721, GRAF-1EF, Leukocyte receptor cluster member 7, PTI1, eEF1A-1
Gene ID:	1915
NCBI Accession:	NP_001393
UniProt:	P68104

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	PBS, 0.02 % sodium azide, 0.1 % bovine serum albumin
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Product should be stored at 2-8 °C.