



Rabbit Anti-Human EEF1a1 Polyclonal Antibody (CABT-L2168)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Eukaryotic Translation Elongation Factor 1 Alpha 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against EEF1a1. It has been selected for its ability to recognize EEF1a1 in immunohistochemical staining and western blotting.
Target	EEF1a1
Immunogen	Recombinant fragment corresponding to human EEF1A1 (Met1~Pro241)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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]
Keywords	CCS-3;CCS3;EEF-1;EEF1A;EF-Tu;EF1A;FLJ25721;GRAF-1EF;LENG7;PTI1;eEF1A-1;Leukocyte Receptor Cluster(LRC)Member 7;Elongation factor Tu

GENE INFORMATION

Gene Name	EEF1A1 eukaryotic translation elongation factor 1 alpha 1 [Homo sapiens (human)]
Official Symbol	EEF1A1
Synonyms	EEF1A1; eukaryotic translation elongation factor 1 alpha 1; CCS3; EF1A; PTI1; CCS-3; EE1A1; EEF-1; EEF1A; EF-Tu; LENG7; eEF1A-1; GRAF-1EF; HNGC:16303; elongation factor 1-alpha 1; EF-1-alpha-1; EF1a-like protein; CTCL tumor antigen; elongation factor Tu; cervical cancer suppressor 3; elongation factor 1 alpha subunit; prostate tumor-inducing protein 1; eukaryotic elongation factor 1 A-1; leukocyte receptor cluster member 7; leukocyte receptor cluster (LRC) member 7; translation elongation factor 1 alpha 1-like 14; glucocorticoid receptor AF-1 specific elongation factor; eukaryotic translation elongation factor 1 alpha 1-like 14;
Entrez Gene ID	1915
Protein Refseq	NP_001393
UniProt ID	P68104
Chromosome Location	6q14.1
Pathway	Cellular response to heat stress; Cellular responses to stress; EGFR1 Signaling Pathway; Eukaryotic Translation Elongation; Gene Expression; HSF1 activation; Legionellosis; Metabolism of proteins;

Function

GTP binding; GTPase activity; poly(A) RNA binding; protein binding; protein kinase binding; translation elongation factor activity;
