



# Mouse anti-Human EEF1A1 polyclonal antibody (DPAB-DC813)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	EEF1A1 (AAH09875, 156 a.a. ~ 255 a.a) partial recombinant protein with GST tag. The sequence is  DSTEPPYSQKRYEEIVKEVSTYIKKIGYNPDTVAFVPISGWNGDNMLEPSANMPWFKGWK VTRKDGNASGTTLEALDCILPPTRPTDKPLRLPLQDVYK
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

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<b>Gene Name</b>	<a href="#">EEF1A1 eukaryotic translation elongation factor 1 alpha 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	EEF1A1
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">1915</a>
<b>Protein Refseq</b>	<a href="#">NP_001393</a>
<b>UniProt ID</b>	<a href="#">P68104</a>
<b>Chromosome Location</b>	6q14.1
<b>Pathway</b>	Cellular response to heat stress; EGFR1 Signaling Pathway; Gene Expression; Legionellosis
<b>Function</b>	GTP binding; GTPase activity; poly(A) RNA binding; protein binding

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