

## eEF1A1 Conjugated Antibody

Catalog No: #C49856



Package Size: #C49856-AF350 100ul #C49856-AF405 100ul #C49856-AF488 100ul  
 #C49856-AF555 100ul #C49856-AF594 100ul #C49856-AF647 100ul  
 #C49856-AF680 100ul #C49856-AF750 100ul #C49856-Biotin 100ul

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## Description

Product Name	eEF1A1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CCS 3 antibody CCS3 antibody Cervical cancer suppressor 3 antibody chunp6927 antibody CTCL tumor antigen antibody EE1A1 antibody EEF 1 antibody EEF1A antibody eEF1A-1 antibody EEF1A1 antibody EF-1-alpha-1 antibody EF-Tu antibody EF1A antibody EF1a like protein antibody EF1A1_HUMAN antibody Elongation factor 1 alpha subunit antibody Elongation factor 1-alpha 1 antibody Elongation factor Tu antibody Eukaryotic elongation factor 1 A-1 antibody Eukaryotic translation elongation factor 1 alpha 1 antibody Eukaryotic translation elongation factor 1 alpha 1 like 14 antibody Glucocorticoid receptor AF 1 specific elongation factor antibody GRAF 1EF antibody HNGC:16303 antibody ik:tdsubc_2a3 antibody ik:tdsubc_2b3 antibody LENG7 antibody Leukocyte receptor cluster (LRC) member 7 antibody Leukocyte receptor cluster member 7 antibody Prostate tumor inducing protein 1 antibody PT11 antibody tdsbuc_2a3 antibody Translation elongation factor 1 alpha 1 like 14 antibody wu:fa91c07 antibody wu:fa94b03 antibody wu:fi13b09 antibody xx:tdsubc_2a3 antibody xx:tdsubc_2b3 antibody
Accession No.	Swiss-Prot#:P68104
Uniprot	P68104
GeneID	1915;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	50 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

The elongation factor-1 complex is composed of two subunits, EF-1  $\alpha$ 1 (elongation factor 1-alpha 1) and EF-1  $\alpha$ 2 (elongation factor 1-alpha 2), and is responsible for the delivery of aminoacyl tRNAs to the ribosome. EF-1  $\alpha$ 1 is expressed predominately in brain, placenta, lung, liver, kidney and pancreas, while EF-1  $\alpha$ 2 is highly expressed in heart, brain and skeletal muscle. Both EF-1  $\alpha$ 1 and  $\alpha$ 2 localize to the nucleus and belong to the GTP-binding elongation factor family. The gene encoding EF-1  $\alpha$ 2, which maps to human chromosome 20q13.3, may play a role in the development of ovarian cancer, while the EF-1  $\alpha$ 1 gene, mapping to chromosome 6Q14.1, is commonly present as an autoantigen in patients with Felty syndrome. Felty syndrome is a disorder characterized by rheumatoid arthritis, a swollen spleen, decreased white blood cell count, and increased susceptibility to infection.

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Note: This product is for in vitro research use only