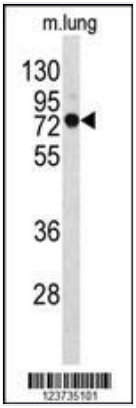
EEFSEC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EEFSEC, Polyclonal Antibody
Full Product Name	EEFSEC, CT (EEFSEC, SELB, Selenocysteine-specific elongation factor, Elongation factor sec, Eukaryotic elongation factor, selenocysteine-tRNA-specific)
Product Gene Name	anti-EEFSEC antibody
Product Synonym Names	Anti -EEFSEC, CT (EEFSEC, SELB, Selenocysteine-specific elongation factor, Elongation factor sec, Eukaryotic elongation factor, selenocysteine-tRNA-specific)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human, mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	65,305 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (127872302..128127489). Location: 3q21.3
OMIM	607695
3D Structure	ModBase 3D Structure for P57772
Immunogen	EEFSEC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 547~577 amino acids from the C-terminal region of human EEFSEC.
Product Categories/Family for anti-EEFSEC antibody	Antibodies; Abs to Cancer Markers
Applications Tested/Suitable for anti-EEFSEC antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-EEFSEC antibody	Suitable for use in Western Blot, Immunohistochemistry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Immunohistochemistry: 1:50-100
Related Product Information for anti-EEFSEC antibody	EEFSEC is a translation factor necessary for the incorporation of selenocysteine into proteins. It probably replaces EF-Tu for the insertion of selenocysteine directed by the UGA codon. SelB binds GTP and GDP.
Other Notes	Small volumes of anti-EEFSEC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EEFSEC purchase	MBS6008643 is an antibody targeting EEFSEC. Also known as EEFSEC, CT (EEFSEC, SELB, Selenocysteine-specific elongation factor, Elongation factor sec, Eukaryotic elongation factor, selenocysteine-tRNA-specific). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-EEFSEC antibody
Western blot analysis of EEFSEC Antibody (C-term) in mouse lung tissue lysates (35ug/lane). EEFSEC (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-EEFSEC antibody
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with EEFSEC Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EEFSEC. It may not necessarily be applicable to this product.

NCBI GI #	14044001
NCBI GeneID	60678
NCBI Accession #	AAH07933.1
UniProt Primary Accession #	P57772
UniProt Related Accession #	P57772
NCBI Official Full Name	EEFSEC protein
NCBI Official Synonym Full Names	eukaryotic elongation factor, selenocysteine-tRNA-specific
NCBI Official Symbol	EEFSEC
NCBI Official Synonym Symbols	SELB; EFSEC
UniProt Protein Name	Selenocysteine-specific elongation factor
UniProt Synonym Protein Names	Elongation factor sec; Eukaryotic elongation factor, selenocysteine-tRNA-specific
Protein Family	Selenocysteine-specific elongation factor
UniProt Gene Name	EEFSEC
UniProt Synonym Gene Names	SELB
UniProt Entry Name	SELB_HUMAN
NCBI Protein Information	selenocysteine-specific elongation factor; elongation factor sec; elongation factor for selenoprotein translation

UniProt Comments for EEFSEC	EEFSEC: Translation factor necessary for the incorporation of selenocysteine into proteins. It probably replaces EF-Tu for the insertion of selenocysteine directed by the UGA codon. SelB binds GTP and GDP. Belongs to the GTP-binding elongation factor family. SelB subfamily. Protein type: Translation Chromosomal Location of Human Ortholog: 3q21.3 Cellular Component: mitochondrion; nucleus; ribonucleoprotein complex Molecular Function: GTPase activity; ribonucleoprotein binding; GTP binding; translation elongation factor activity; tRNA binding Biological Process: selenocysteine incorporation
Research Articles on EEFSEC	**1.** Observational study of gene-disease association and gene-environment interaction. (HuGE Navigator)
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