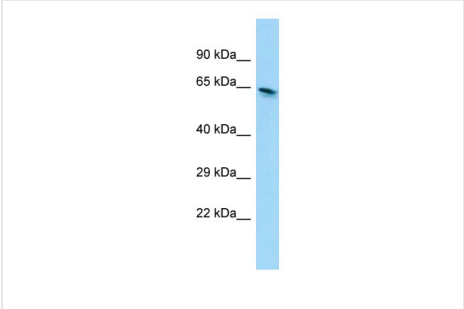
EEFSEC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EEFSEC, Polyclonal Antibody
Full Product Name	EEFSEC Antibody - C-terminal region
Product Gene Name	anti-EEFSEC antibody
Product Synonym Gene Name	EFSEC; SELB
Immunogen Sequence	Synthetic peptide located within the following region: IHIPGGLSPE SKKILTPALK KRARAGRGEA TRQEESAERS EPSQHVVLSL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	EEFSEC peptide (MBS3241752) is used for blocking the activity of EEFSEC antibody (MBS3216853)
Molecular Weight	65kDa
OMIM	607695
3D Structure	ModBase 3D Structure for P57772
Homology	Human: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C-terminal region of Human EEFSEC
Product Categories/Family for anti-EEFSEC antibody	Polyclonal; Various
Applications Tested/Suitable for anti-EEFSEC antibody	Western Blot (WB)
Related Product Information for anti-EEFSEC antibody	This is a rabbit polyclonal antibody against EEFSEC. It was validated on Western Blot Target Description: 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	MBS3216853 is an antibody targeting EEFSEC. Also known as EEFSEC Antibody - C-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-EEFSEC antibody
WB Suggested Anti-EEFSEC AntibodyTitration: 1.0 ug/mlPositive Control: 721_B Whole Cell

ADDITIONAL DETAILS

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

NCBI GI #	54607086
NCBI GeneID	60678
NCBI Accession #	NP_068756
UniProt Primary Accession #	P57772
UniProt Related Accession #	P57772
GenBank Nucleotide #	NM_021937
NCBI Official Full Name	selenocysteine-specific elongation factor
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
Research Articles on EEFSEC	**1.** eEFSec employs a non-canonical mechanism involving the distinct C-terminal domain 4 for the release of the selenocysteinyl-tRNA during decoding on the ribosome
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