CD3EAP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD3EAP, Polyclonal Antibody
Full Product Name	CD3EAP Antibody
Product Gene Name	anti-CD3EAP antibody
Product Synonym Names	antisense to ERCC-1; CAST; CD3-epsilon-associated protein; CD3e-associated protein; CD3EAP
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	The antibody detects endogenous levels of total CD3EAP protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	54,986 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (45909467..45914024). Location: 19q13.3
OMIM	107325
3D Structure	ModBase 3D Structure for O15446
Immunogen	Synthesized peptide derived from internal of human CD3EAP.
Product Categories/Family for anti-CD3EAP antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD3EAP antibody	Western Blot (WB)
Application Notes for anti-CD3EAP antibody	WB: 1:500~1:3000
Related Product Information for anti-CD3EAP antibody	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase I which synthesizes ribosomal RNA precursors. Isoform 1 is involved in UBTF-activated transcription, presumably at a step following PIC formation. soform 2 has been described as a component of preformed T-cell receptor (TCR) complex.
Product References and Citations for anti-CD3EAP antibody	Whitehead C.M., Chromosoma 106:493-502 (1997).Yamazaki T., J. Biol. Chem. 274:18173-18180 (1999).The MGC Project Team; Genome Res. 14:2121-2127 (2004)
Other Notes	Small volumes of anti-CD3EAP 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 CD3EAP purchase	MBS8588224 is an antibody targeting CD3EAP. Also known as CD3EAP Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD3EAP. It may not necessarily be applicable to this product.

NCBI GI #	6912246
NCBI GeneID	10849
NCBI Accession #	NP_036231.1
UniProt Primary Accession #	O15446
UniProt Secondary Accession #	Q32N11; Q7Z5U2; Q9UPF6
UniProt Related Accession #	O15446
GenBank Nucleotide #	NM_012099.1
NCBI Official Full Name	DNA-directed RNA polymerase I subunit RPA34
NCBI Official Synonym Full Names	CD3e molecule, epsilon associated protein
NCBI Official Symbol	CD3EAP
NCBI Official Synonym Symbols	ASE1; CAST; ASE-1; PAF49
UniProt Protein Name	DNA-directed RNA polymerase I subunit RPA34
UniProt Synonym Protein Names	A34.5; Antisense to ERCC-1 protein; ASE-1; CD3-epsilon-associated protein; CAST; CD3E-associated protein; RNA polymerase I-associated factor PAF49
UniProt Gene Name	CD3EAP
UniProt Synonym Gene Names	ASE1; CAST; PAF49; ASE-1; CAST
UniProt Entry Name	RPA34_HUMAN
NCBI Protein Information	DNA-directed RNA polymerase I subunit RPA34; A34.5; antisense to ERCC 1; CD3E-associated protein; antisense to ERCC-1 protein; CD3 epsilon associated protein; CD3-epsilon-associated protein; RNA polymerase I-associated factor PAF49; CD3e antigen, epsilon
UniProt Comments for CD3EAP	ASE-1: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase I which synthesizes ribosomal RNA precursors. Isoform 1 is involved in UBTF-activated transcription, presumably at a step following PIC formation. Belongs to the eukaryotic RPA34 RNA polymerase subunit family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Nucleolus; Transcription initiation complex Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: nucleoplasm; mitochondrion; cytoplasm; nucleolus; RNA polymerase I transcription factor complex; chromosome; nucleus; DNA-directed RNA polymerase I complex Molecular Function: DNA-directed RNA polymerase activity Biological Process: negative regulation of gene expression, epigenetic; RNA elongation from RNA polymerase I promoter; transcription from RNA polymerase I promoter; gene expression; transcription initiation from RNA polymerase I promoter; termination of RNA polymerase I transcription; regulation of gene expression, epigenetic; transmembrane receptor protein tyrosine kinase signaling pathway; rRNA transcription
Research Articles on CD3EAP	**1.** variant alleles of PPP1R13L rs1970764 and CD3EAP rs967591 may contribute to risk factors of lung cancer.

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