ETV6 Antibody (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	ETV6, Blocking Peptide
Full Product Name	ETV6 Antibody (Center) Blocking Peptide
Product Gene Name	ETV6 blocking peptide
Product Synonym Gene Name	TEL; TEL1
Product Synonym Names	Transcription factor ETV6; ETS translocation variant 6; ETS-related protein Tel1; Tel; ETV6; TEL; TEL1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	ETV6 peptide (MBS9220831) is used for blocking the activity of ETV6 antibody (MBS9204888)
Molecular Weight	53,000 Da
OMIM	131440
Cellular Location	Nucleus.
Tissue Location	Ubiquitous.
Related Product Information for ETV6 blocking peptide	MBS9220831 is a blocking peptide targeting ETV6. Also known as ETV6 Antibody (Center) Blocking Peptide. Transcriptional repressor; binds to the DNA sequence 5'- CCGGAAGT-3'.
Other Notes	Small volumes of ETV6 blocking peptide 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ETV6. It may not necessarily be applicable to this product.

NCBI GI #	730927
NCBI GeneID	2120
NCBI Accession #	P41212.1
UniProt Primary Accession #	P41212
UniProt Secondary Accession #	Q9UMF6; Q9UMF7; Q9UMG0; A3QVP6; A8K076
UniProt Related Accession #	P41212
NCBI Official Full Name	Transcription factor ETV6
NCBI Official Synonym Full Names	ETS variant 6
NCBI Official Symbol	ETV6
NCBI Official Synonym Symbols	TEL; THC5; TEL/ABL
UniProt Protein Name	Transcription factor ETV6
UniProt Synonym Protein Names	ETS translocation variant 6; ETS-related protein Tel1; Tel
Protein Family	Transcription factor

UniProt Gene Name	ETV6
UniProt Synonym Gene Names	TEL; TEL1; Tel
UniProt Entry Name	ETV6_HUMAN
NCBI Protein Information	transcription factor ETV6
NCBI Summary for ETV6	This gene encodes an ETS family transcription factor. The product of this gene contains two functional domains: a N-terminal pointed (PNT) domain that is involved in protein-protein interactions with itself and other proteins, and a C-terminal DNA-binding domain. Gene knockout studies in mice suggest that it is required for hematopoiesis and maintenance of the developing vascular network. This gene is known to be involved in a large number of chromosomal rearrangements associated with leukemia and congenital fibrosarcoma. [provided by RefSeq, Sep 2008]
UniProt Comments for ETV6	Tel: Transcriptional repressor; binds to the DNA sequence 5'- CCGGAAGT-3'. A chromosomal aberration involving ETV6 is found in a form of chronic myelomonocytic leukemia (CMML). Translocation t(5;12)(q33;p13) with PDGFRB. It is characterized by abnormal clonal myeloid proliferation and by progression to acute myelogenous leukemia (AML). Chromosomal aberrations involving ETV6 are found in a form of acute myeloid leukemia (AML). Translocation t(12;22)(p13;q11) with MN1; translocation t(4;12)(q12;p13) with CHIC2. Chromosomal aberrations involving ETV6 are found in childhood acute lymphoblastic leukemia (ALL). Translocations t(12;21)(p12;q22) and t(12;21)(p13;q22) with RUNX1/AML1. A chromosomal aberration involving ETV6 is found in a form of pre-B acute myeloid leukemia. Translocation t(9;12)(p24;p13) with JAK2. A chromosomal aberration involving ETV6 is found in myelodysplastic syndrome (MDS) with basophilia. Translocation t(5;12)(q31;p13) with ACSL6. A chromosomal aberration involving ETV6 is found in acute eosinophilic leukemia (AEL). Translocation t(5;12)(q31;p13) with ACSL6. A chromosomal aberration involving ETV6 is found in myelodysplastic syndrome (MDS). Translocation t(1;12)(p36.1;p13) with MDS2. Defects in ETV6 are a cause of myeloproliferative disorder chronic with eosinophilia (MPE). A hematologic disorder characterized by malignant eosinophils proliferation. A chromosomal aberration involving ETV6 is found in many instances of myeloproliferative disorder chronic with eosinophilia. Translocation t(5;12) with PDGFRB on chromosome 5 creating an ETV6-PDGFRB fusion protein. Defects in ETV6 are a cause of acute myelogenous leukemia (AML). AML is a malignant disease in which hematopoietic precursors are arrested in an early stage of development. A chromosomal aberration involving ETV6 is found in acute lymphoblastic leukemia. Translocation t(9;12)(p13;p13) with PAX5. Belongs to the ETS family. Protein type: Oncoprotein; DNA-binding; Motility/polarity/chemotaxis; Transcription factor Chromosomal Location of Human Ortholog: 12p13 Cellular Component: cytoplasm; nucleolus; nucleus Molecular Function: protein binding; protein domain specific binding; transcription factor activity Biological Process: cell differentiation; negative regulation of transcription from RNA polymerase II promoter Disease: Thrombocytopenia 5
Research Articles on ETV6	**1.** our results demonstrate that MIR181A1 and ETV6/RUNX1 regulate each other, and we propose that a double negative loop involving MIR181A1 and ETV6/RUNX1 may contribute to ETV6/RUNX1-driven arrest of differentiation in pre-B ALL.
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