

Immunotag™ TEL Polyclonal Antibody

| Antibody Specification | |
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| Catalog No. | ITT4599 |
| Product Description | Immunotag™ TEL Polyclonal Antibody |
| Size | 50 µg, 100 µg |
| Conjugation | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647 |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein | TEL |
| Clonality | Polyclonal |
| Storage/Stability | -20°C/1 year |
| Application | WB,IHC-p,IF,ELISA |
| Recommended Dilution | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Mouse,Rat |
| Host Species | Rabbit |
| Immunogen | The antiserum was produced against synthesized peptide derived from human ETV6. AA range:371-420 |
| Specificity | TEL Polyclonal Antibody detects endogenous levels of TEL protein. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen |
| Form | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Gene Name | ETV6 |
| Accession No. | P41212 P97360 |
| Alternate Names | ETV6; TEL; TEL1; Transcription factor ETV6; ETS translocation variant 6; ETS-related protein Tel1; Tel |

Antibody Specification

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| Description | ETS variant 6(ETV6) Homo sapiens 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], |
| Cell Pathway/ Category | Dorso-ventral axis formation, |
| Protein Expression | Bone marrow,Testis, |
| Subcellular Localization | nucleus,nucleolus,cytoplasm,integral component of membrane, |
| Protein Function | disease:A chromosomal aberration involving ETV6 is a cause in many instances of chronic myeloproliferative disorder with eosinophilia (MPE) [MIM:131440]. Translocation t(5;12) with PDGFRB on chromosome 5 creating an ETV6-PDGFRB fusion protein.,disease:A chromosomal aberration involving ETV6 is a cause of acute lymphoblastic leukemia. Translocation t(9;12)(p13;p13) with PAX5.,disease:A chromosomal aberration involving ETV6 is a cause of myelodysplastic syndrome (MDS). Translocation t(1;12)(p36.1;p13) with MDS2.,disease: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).,disease:A chromosomal aberration involving ETV6 is found in a form of pre-B acute myeloid leukemia. Translocation t(9;12)(p24;p13) with JAK2.,disease:A chromosomal aberration involving ETV6 may be a cause of acute eosinophilic leukemia (AEL). Translocation t(5;12)(q31;p13) with ACSL6.,disease:A chromosomal aberration involving ETV6 may be a cause of myelodysplastic syndrome (MDS) with basophilia. Translocation t(5;12)(q31;p13) with ACSL6.,disease: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.,disease: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.,disease:Defects in ETV6 are a cause of acute myelogenous leukemia (AML) [MIM:601626]. AML is a malignant disease in which hematopoietic precursors are arrested in an early stage of development.,function:Transcriptional repressor; binds to the DNA sequence 5'-CCGGAAGT-3'. ,PTM:Phosphorylated.,PTM:Phosphorylation of Ser-257 by MAPK14 (p38) inhibits ETV6 transcriptional repression.,similarity:Belongs to the ETS family.,similarity:Contains 1 ETS DNA-binding domain.,similarity:Contains 1 PNT (pointed) domain.,subunit:Can form homodimers or heterodimers with TEL2 or FLI1. Interacts with L3MBTL and HDAC9.,tissue specificity:Ubiquitous., |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |