10320 Camino Santa Fe, Suite G
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Anti-ETS1 Picoband Antibody

Catalog # ABO10127

Specification

Anti-ETS1 Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P14921
Host	**Rabbit**
Reactivity	**Human, Mouse**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Protein C-ets-1(ETS1) detection. Tested with WB in Human;Mouse.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-ETS1 Picoband Antibody - Additional Information

Gene ID 2113

Other Names
Protein C-ets-1, p54, ETS1, EWSR2

Calculated MW
50408 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, Mouse

Subcellular Localization
Cytoplasm . Nucleus . Delocalizes from nucleus to cytoplasm when coexpressed with isoform Ets-1 p27. .

Tissue Specificity
Highly expressed within lymphoid cells. Isoforms c-ETS-1A and Ets-1 p27 are both detected in all fetal tissues tested, but vary with tissue type in adult tissues. None is detected in brain or kidney. .

Protein Name
Protein C-ets-1

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human ETS1 (67-98aa KDPRQWTETHVRDWVMWAVNEFSLKGVDFQKF), identical to the related mouse and rat sequences.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-ETS1 Picoband Antibody - Protein Information

Name ETS1

Synonyms EWSR2

Function
Transcription factor (PubMed:10698492, PubMed:11909962). Directly controls the expression of cytokine and chemokine genes in a wide variety of different cellular contexts (PubMed:20378371). May control the differentiation, survival and proliferation of lymphoid cells (PubMed:20378371). May also regulate angiogenesis through regulation of expression of genes controlling endothelial cell migration and invasion (PubMed:15247905, PubMed:15592518).

Cellular Location
Nucleus. Cytoplasm Note=Delocalizes from nucleus to cytoplasm when coexpressed with isoform Ets-1 p27.

Tissue Location
Highly expressed within lymphoid cells. Isoforms c- ETS-1A and Ets-1 p27 are both detected in all fetal tissues tested, but vary with tissue type in adult tissues. None is detected in brain or kidney.

Anti-ETS1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ETS1 Picoband Antibody - Images

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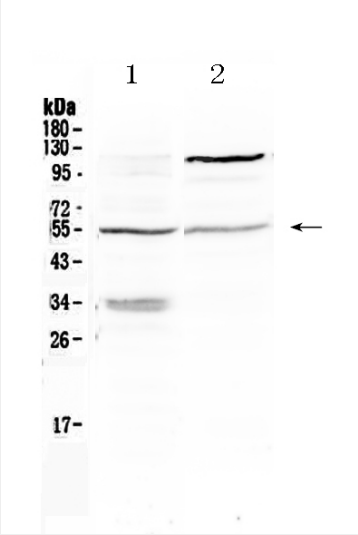

Figure 1. Western blot analysis of ETS1 using anti- ETS1 antibody (ABO10127). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: NIH3T3 whole Cell lysates, Lane 2: A375 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- ETS1 antigen affinity purified polyclonal antibody (Catalog # ABO10127) at 0.5 Î¼g/mL overnight at 4Â°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ETS1 at approximately 54KD. The expected band size for ETS1 is at 54KD.

Anti-ETS1 Picoband Antibody - Background

Protein C-ets-1 is a protein that in humans is encoded by the ETS1 gene. It is mapped to 11q24.3. This gene encodes a member of the ETS family of transcription factors, which are defined by the presence of a conserved ETS DNA-binding domain that recognizes the core consensus DNA sequence GGAA/T in target genes. These proteins function either as transcriptional activators or repressors of numerous genes, and are involved in stem cell development, cell senescence and death, and tumorigenesis.