

Anti-ETS1 Picoband Antibody

Catalog # ABO10127

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.

Additional Information

Gene ID	2113
Other Names	Protein C-ets-1, p54, ETS1, EWSR2
Calculated MW	50408
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. .
Source	Eukaryota
Protein Name	Protein C-ets-1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ETS1 (67-98aa KDPRQWTETHVRDWMWAVNEFSLKGVDFQKF), 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 reconstitution, 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.

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.

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.

Images

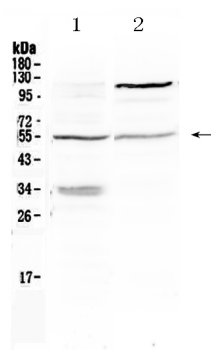


Figure 1. Western blot analysis of ETS1 using anti- ETS1 antibody (ABO10127). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: NIH3T3 whole Cell 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 µg/mL overnight at 4 °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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.