

Ets-1 (phospho Thr38) Polyclonal Antibody

Catalog No: YP0878

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: Ets-1

Fields: >>Ras signaling pathway;>>Cellular senescence;>>Human T-cell leukemia

virus 1 infection;>>Pathways in cancer;>>Renal cell carcinoma

Gene Name: ETS1

Protein Name: Protein C-ets-1

P14921

P27577

Human Gene Id: 2113

Human Swiss Prot

No:

Mouse Gene Id: 23871

Mouse Swiss Prot

No:

Rat Gene Id: 24356

Rat Swiss Prot No: P41156

Immunogen: The antiserum was produced against synthesized peptide derived from human

ETS1 around the phosphorylation site of Thr38. AA range:11-60

Specificity: Phospho-Ets-1 (T38) Polyclonal Antibody detects endogenous levels of Ets-1

protein only when phosphorylated at T38.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, lgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not

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yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:**

Observed Band: 54kD

Dorso-ventral axis formation; Pathways in cancer; Renal cell carcinoma; **Cell Pathway:**

Background: 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. Alternatively spliced transcript variants encoding different

isoforms have been described for this gene. [provided by RefSeq, Jul 2011],

Function: disease:ETS is responsible for erythroblast and fibroblast transformation. The

juxtaposition of the interferon and c-ETS-1 proto-oncogene may be involved in the

pathogenesis of human monocytic leukemia., function: Transcription

factor.,PTM:Sumoylated on Lys-15 and Lys-227, preferentially by SUMO2; which inhibits transcriptional activity.,PTM:Ubiquitinated; which induces proteasomal degradation., similarity: Belongs to the ETS family., similarity: Contains 1 ETS DNAbinding domain., similarity: Contains 1 PNT (pointed) domain., subunit: Interacts with MAF and MAFB (By similarity). Binds to DAXX. Interacts with UBE2I.,

Subcellular Location:

Cytoplasm . Nucleus . Delocalizes from nucleus to cytoplasm when coexpressed

with isoform Ets-1 p27...

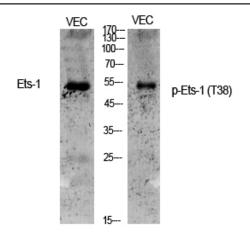
Highly expressed within lymphoid cells. Isoforms c-ETS-1A and Ets-1 p27 are **Expression:**

both detected in all fetal tissues tested, but vary with tissue type in adult tissues.

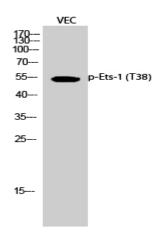
None is detected in brain or kidney.

Products Images

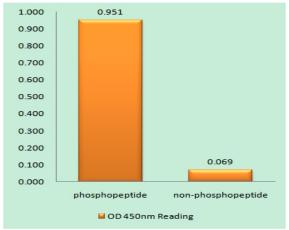
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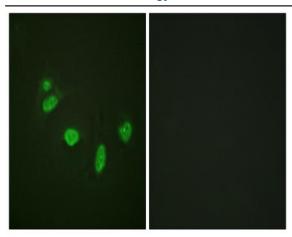
Western Blot analysis of various cells using Phospho-Ets-1 (T38) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



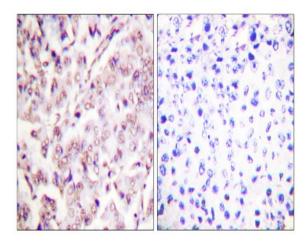
Western Blot analysis of VEC cells using Phospho-Ets-1 (T38) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



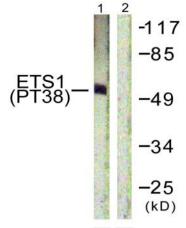
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using ETS1 (Phospho-Thr38) Antibody



Immunofluorescence analysis of HeLa cells, using ETS1 (Phospho-Thr38) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using ETS1 (Phospho-Thr38) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with Serum 20% 15', using ETS1 (Phospho-Thr38) Antibody. The lane on the right is blocked with the phospho peptide.