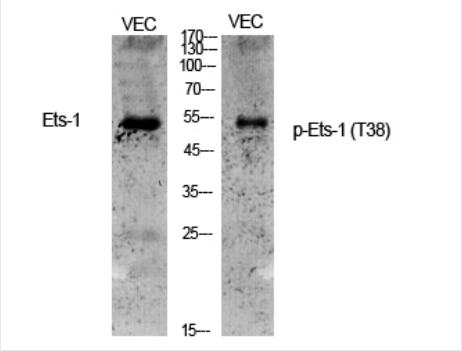
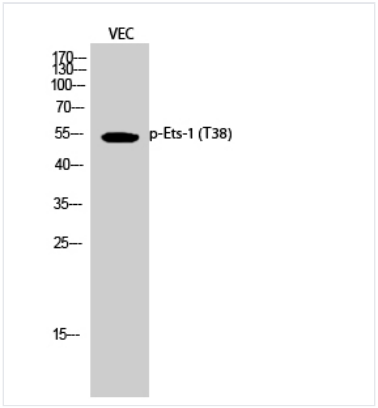
# ETS-1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Ets-1, Polyclonal Antibody |
| **Full Product Name** | Ets-1 (phospho Thr38) Polyclonal Antibody |
| **Product Gene Name** | anti-Ets-1 antibody |
| **Product Synonym Names** | ETS1; EWSR2; Protein C-ets-1; p54 |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |
| **Molecular Weight** | 50,408 Da |
| **Chromosome Location** | Chromosome: 11; NC_000011.9 (128328656..128457453, complement). Location: 11q23.3 |
| **OMIM** | 164720 |
| **3D Structure** | ModBase 3D Structure for P14921 |
| **Applications Tested/Suitable for anti-Ets-1 antibody** | Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P), Immunofluorescence (IF) |
| **Related Product Information for anti-Ets-1 antibody** | Transcription factor. Directly controls the expression of cytokine and chemokine genes in a wide variety of different cellular contexts. May control the differentiation, survival and proliferation of lymphoid cells. May also regulate angiogenesis through regulation of expression of genes controlling endothelial cell migration and invasion. |
| **Other Notes** | Small volumes of anti-Ets-1 antibody 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. |
| **Searchable Terms for Ets-1 purchase** | MBS9242439 is an antibody targeting Ets-1. Also known as Ets-1 (phospho Thr38) Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. |




**Wester Blot (WB) of anti-Ets-1 antibody**
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.




**Western Blot (WB) of anti-Ets-1 antibody**
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## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ets-1. It may not necessarily be applicable to this product.

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|---|---|
| **NCBI GI #** | 219689118 |
| **NCBI GeneID** | 2113 |
| **NCBI Accession #** | NP_001137292.1 |
| **UniProt Primary Accession #** | P14921 |
| **UniProt Secondary Accession #** | Q14278; Q16080; Q6N087; A9UL17; F5GYX9 |
| **UniProt Related Accession #** | P14921 |
| **GenBank Nucleotide #** | NM_001143820.1 |
| **NCBI Official Full Name** | protein C-ets-1 isoform 1 |
| **NCBI Official Synonym Full Names** | v-ets erythroblastosis virus E26 oncogene homolog 1 (avian) |
| **NCBI Official Symbol** | ETS1 |
| **NCBI Official Synonym Symbols** | ETS-1; EWSR2 |
| **UniProt Protein Name** | Protein C-ets-1 |
| **UniProt Synonym Protein Names** | p54 |
| **Protein Family** | Protein |
| **UniProt Gene Name** | ETS1 |
| **UniProt Synonym Gene Names** | EWSR2 |
| **UniProt Entry Name** | ETS1_HUMAN |
| **NCBI Protein Information** | protein C-ets-1; p54; ets protein; v-ets avian erythroblastosis virus E2 oncogene homolog 1; Avian erythroblastosis virus E26 (v-ets) oncogene homolog-1 |
| **NCBI Summary for Ets-1** | 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] |

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| **UniProt Comments for Ets-1** | Ets-1: a proto-oncogenic transcription factor homologous to the v-ets erythroblastosis virus oncogene. The DNA binding activity of Ets1 is controlled by kinases and transcription factors. It contributes to the regulation of cellular differentiation in hematopoietic cells. Ets1 promotes invasive behavior in endothelial cells, vascular smooth muscle cells and epithelial cancer cells. Regulates the expression of MMP1, MMP3, MMP9 and uPA as well as of VEGF and VEGFR gene expression. Two alternatively spliced isoforms have been described.<br><br>Protein type: Oncoprotein; Transcription factor; Motility/polarity/chemotaxis; DNA-binding<br><br>Chromosomal Location of Human Ortholog: 11q23.3<br><br>Cellular Component: nucleoplasm; transcription factor complex; intercellular bridge; cytoplasm; nucleus<br><br>Molecular Function: histone acetyltransferase binding; protein binding; DNA binding; sequence-specific DNA binding; transcription factor activity; transcription factor binding<br><br>Biological Process: transcription from RNA polymerase II promoter; hypothalamus development; positive regulation of transcription, DNA-dependent; positive regulation of erythrocyte differentiation; cell motility involved in cell locomotion; PML body organization and biogenesis; positive regulation of cell motility; female pregnancy; angiogenesis involved in wound healing; regulation of angiogenesis; response to estradiol stimulus; negative regulation of cell cycle; response to antibiotic; regulation of apoptosis; negative regulation of cell proliferation; positive regulation of angiogenesis; response to mechanical stimulus; pituitary gland development; positive regulation of cell proliferation; response to hypoxia; positive regulation of transcription from RNA polymerase II promoter; immune response |
| **Research Articles on Ets-1** | **1.** gene-gene epistatic interactions revealed between IL21 and ETS1 in systemic lupus erythematosus. |
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