ETS-1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ETS-1, Polyclonal Antibody
Full Product Name	ETS-1 (Phospho Thr38) Rabbit pAb
Product Gene Name	anti-ETS-1 antibody
Product Synonym Names	ETS1; EWSR2; Protein C-ets-1; p54; ETS1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C for 1 year.
OMIM	164720
3D Structure	ModBase 3D Structure for P14921
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Ets-1 (phospho Thr38)
Cellular Localization	Cytoplasm, Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ETS-1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-ETS-1 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 IF: 1:200-1:1000 ELISA: 1:10000
Related Product Information for anti-ETS-1 antibody	MBS8540407 is an antibody targeting ETS-1. Also known as ETS-1 (Phospho Thr38) Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.
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.

ADDITIONAL DETAILS

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

NCBI GI #	219689118
NCBI GeneID	2113
NCBI Accession #	NP_001137292.1
UniProt Primary Accession #	P14921
UniProt Related Accession #	P14921
GenBank Nucleotide #	NP_001137292.1

NCBI Official Full Name	protein C-ets-1 isoform 1
NCBI Official Synonym Full Names	ETS proto-oncogene 1, transcription factor
NCBI Official Symbol	ETS1
NCBI Official Synonym Symbols	p54; ETS-1; EWSR2; c-ets-1
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
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]
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. Protein type: Oncoprotein; Transcription factor; Motility/polarity/chemotaxis; DNA-binding Chromosomal Location of Human Ortholog: 11q23.3 Cellular Component: nucleoplasm; transcription factor complex; intercellular bridge; cytoplasm; nucleus Molecular Function: histone acetyltransferase binding; protein binding; DNA binding; sequence-specific DNA binding; transcription factor activity; transcription factor binding 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.** The results identify the interacting surface between Ets-1 and the two DNA-repair enzymes centered on the alpha-helix H1 of the ETS domain, leaving alpha-helix H3 available to bind DNA.
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