

Rabbit ETS1 Polyclonal Antibody | anti-ETS1 antibody

Phospho-ETS1 (Thr38) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329364	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

ETS1; Polyclonal Antibody; Phospho-ETS1 (Thr38) Antibody; Avian erythroblastosis virus E26 (v ets) oncogene homolog 1; C ets 1 protein; c-ets-1; ETS 1; Ets protein; ETS proto-oncogene 1; transcription factor; ETS1 oncogene; ETS1 protein; ETS1_HUMAN; EWSR 2; EWSR2; FLJ10768; Oncogene ETS1; P54; Protein C-ets-1; v ets avian erythroblastosis virus E2 oncogene homolog; v ets avian erythroblastosis virus E2 oncogene homolog 1; v ets avian erythroblastosis virus E26 oncogene homolog 1; v ets erythroblastosis virus E26 oncogene homolog 1; v-ets erythroblastosis virus E26 oncogene homolog 1; anti-ETS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-ETS1 (Thr38) Antibody detects endogenous levels of ETS1 only when phosphorylated at Thr38. 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.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ETS1 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human ETS1 around the phosphorylation site of Thr38.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Sumoylated on Lys-15 and Lys-227, preferentially with SUMO2; which inhibits transcriptional activity. Ubiquitinated; which induces proteasomal degradation.
Subunit Structure	Binds DNA as a homodimer; homodimerization is required for transcription activation. Interacts with MAF and MAFB. Interacts with PAX5; the interaction alters DNA-binding properties (By similarity). Interacts with DAXX. Interacts with UBE2I. Interacts with SP100; the interaction is direct and modulates ETS1 transcriptional activity.
Similarity	Belongs to the ETS family.
Subcellular Location	Cytoplasm. Nucleus. Note: Delocalizes from nucleus to cytoplasm when coexpressed with isoform Ets-1 p27.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

Staining H2O2 treated Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(AF3918) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

At 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ETS1 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219689118
NCBI GeneID	2113
NCBI Accession #	NP_001137292.1
NCBI GenBank Nucleotide #	NM_001143820.1
UniProt Accession #	P14921; Q14278; Q16080; Q6N087; A9UL17; F5GYX9
Molecular Weight	50,408 Da
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
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
UniProt Protein Name	Protein C-ets-1
UniProt Gene Name	ETS1
UniProt Synonym Gene Names	EWSR2
UniProt Entry Name	ETS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.