Rabbit ETS1 Polyclonal Antibody | anti-ETS1 antibody

Phospho-ETS1 (Ser251) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329868	**Rabbit**	**Human, Mouse, RatPredicted Reactivity: Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (86%)**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

ETS1; Polyclonal Antibody; Phospho-ETS1 (Ser251) 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 Predicted Reactivity: Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (86%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-ETS1 (Ser251) Antibody detects endogenous levels of ETS1 only when phosphorylated at Ser251. 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), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ETS1 around the phosphorylation site of Ser251.
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

Application Data
At 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Red), diluted at 1/600, was used as secondary antibody.

IHC (Immunohiostchemistry)
Staining Mouse testis 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.

WB (Western Blot)
Western blot analysis of ETS1 (Phospho-Ser251) using HepG2 whole cell lysates.-/+ means absence or presence of N peptideï¼ˆnon-phospho peptide) and P peptide(phospho peptide).

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.

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.

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