

ETS1 Monoclonal Antibody

Catalog No :	YM0255
Reactivity :	Human
Applications :	WB;IHC;IF;FCM;ELISA
Target :	ETS1
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
Human Gene Id :	2113
Human Swiss Prot No :	P14921
Mouse Swiss Prot No :	P27577
Immunogen :	Purified recombinant fragment of human ETS1 expressed in E. Coli.
Specificity :	ETS1 Monoclonal Antibody detects endogenous levels of ETS1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	50kD

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

P References :

1. DNA Cell Biol. 2005 Feb;24(2):126-32.
2. Mol Hum Reprod. 2006 Feb;12(2):71-6.
3. J Biol Chem. 2008 Jan 11;283(2):951-62.

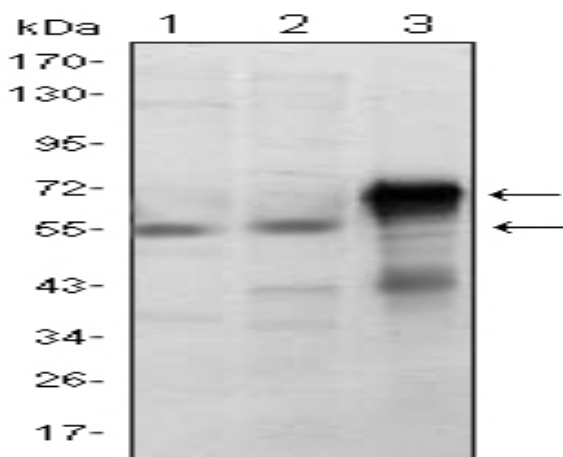
Background : This gene encodes a member of the ETS family of transcription factors, which are defined by the presence of a conserved ETS DNA-binding domain that recognizes the core consensus DNA sequence GGAA/T in target genes. These proteins function either as transcriptional activators or repressors 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 DNA-binding domain.,similarity:Contains 1 PNT (pointed) domain.,subunit:Interacts with MAF and MAFB (By similarity). Binds to DAXX. Interacts with UBE2I.,

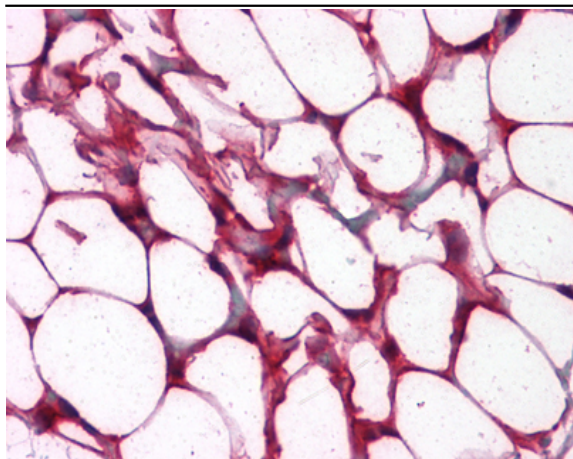
Subcellular Location : Cytoplasm . Nucleus . Delocalizes from nucleus to cytoplasm when coexpressed with isoform Ets-1 p27. .

Expression : 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.

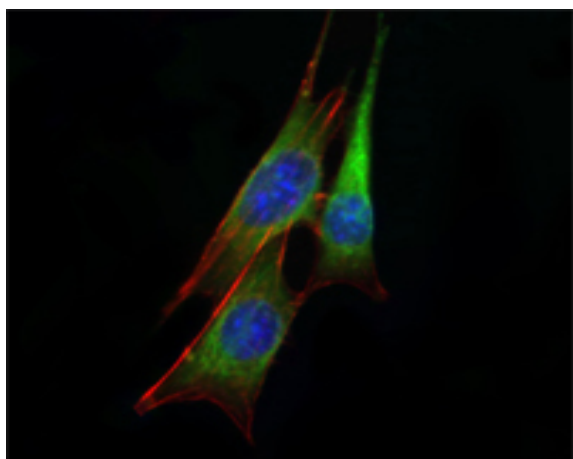
Products Images



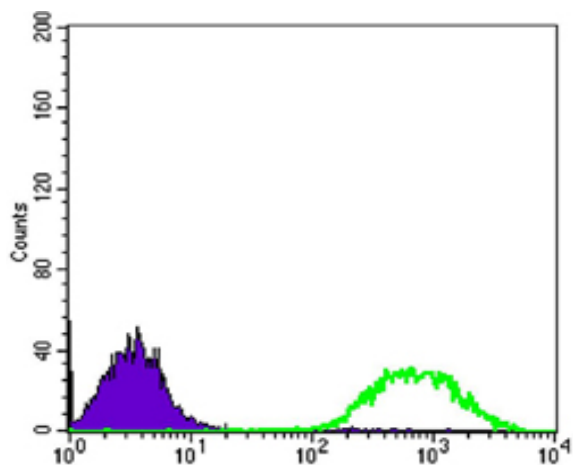
Western Blot analysis using ETS1 Monoclonal Antibody against Jurkat (1), HepG2 (2) and ETS1-hlgGfc transfected HEK293 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human Colon, Adipocytes tissues with AEC staining using ETS1 Monoclonal Antibody.



Immunofluorescence analysis of NIH/3T3 cells using ETS1 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of Jurkat cells using ETS1 Monoclonal Antibody (green) and negative control (purple).