10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ETS1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1371a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	P14921
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8A8
Isotype	IgG1
Calculated MW	50408
Description	The ETS1 is a transcription factor known to regulate expression of a number of genes involved in extracellular matrix remodeling. ETS1 is absent from normal gastric epithelium but is expressed in approximately 60% of gastric carcinomas and oral squamous cell carcinomas with a significant correlation to the tumor stage.
Immunogen	Purified recombinant fragment of human ETS1 expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	2113
Other Names	Protein C-ets-1, p54, ETS1, EWSR2
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 ICC~~N/A E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ETS1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ETS1
Synonyms	EWSR2

Function	Transcription factor (PubMed: 10698492, PubMed:11909962). Directly controls the expression of cytokine and chemokine genes in a wide variety of different cellular contexts (PubMed:20378371). May control the differentiation, survival and proliferation of lymphoid cells (PubMed:20378371). May also regulate angiogenesis through regulation of expression of genes controlling endothelial cell migration and invasion (PubMed:15247905, PubMed:15592518).
Cellular Location	Nucleus. Cytoplasm Note=Delocalizes from nucleus to cytoplasm when coexpressed with isoform Ets-1 p27.
Tissue Location	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.

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.

Images

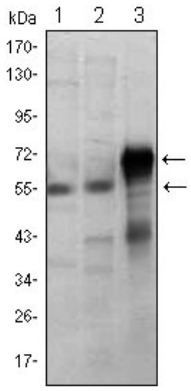


Figure 1: Western blot analysis using ETS1 mouse mAb against Jurkat (1), HepG2 (2) and ETS1-hIgGFc transfected HEK293 (3) cell lysate.

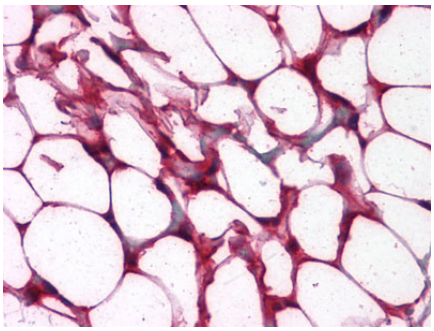
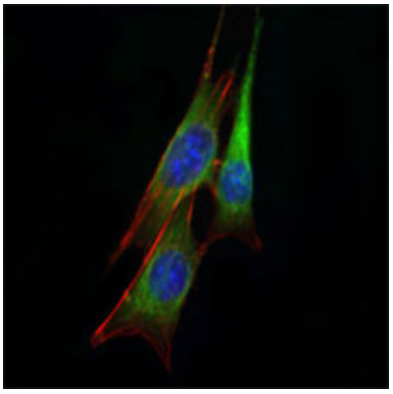


Figure 2: Immunohistochemical analysis of paraffin-embedded human Colon, Adipocytes tissues using anti-ETS1 mouse mAb

Figure 3: Immunofluorescence analysis of NIH/3T3 cells using anti-ETS1 mAb (green). Blue: DRAQ5 fluorescent DNA dye.



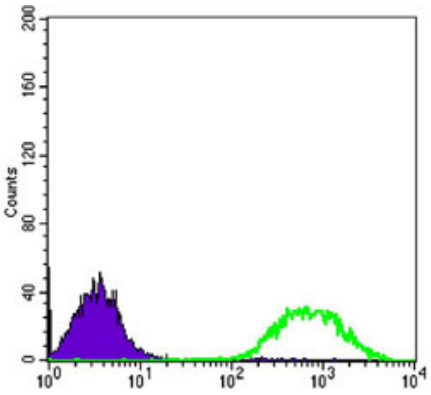


Figure 4: Flow cytometric analysis of Jurkat cells using anti-ETS1 mAb (green) and negative control (purple).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.