DATASHEET

ETS1 (Phospho-S251) Rabbit Polyclonal Antibody

CAT. NO. APA10715

KEY FEATURES

Target	ETS1 (Phospho-S251)	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Chicken	Clonality	Polyclonal
Applications	WB, IHC, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

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 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to ETS1 (Phospho-S251)
Specificity	Recognizes endogenous levels of ETS1 protein only when phosphorylated at S251.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S251 of human ETS1 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 50 kD; Observed: 50 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	EWSR2; Protein C-ets-1; p54
Gene Symbol	ETS1
Entrez Gene	2113(Human); 23871(Mouse); 24356(Rat)
SwissProt	P14921(Human); P27577(Mouse); P41156(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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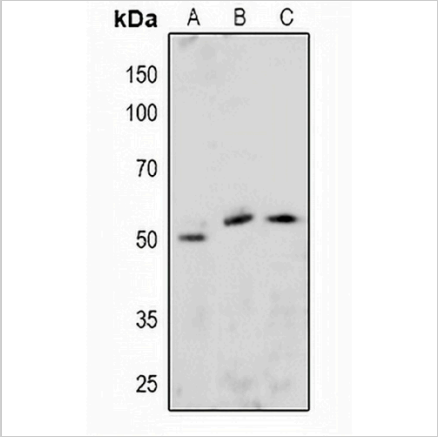
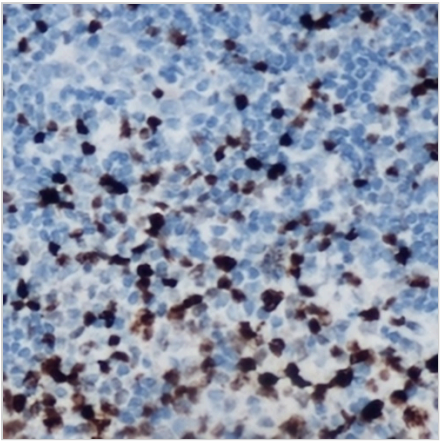
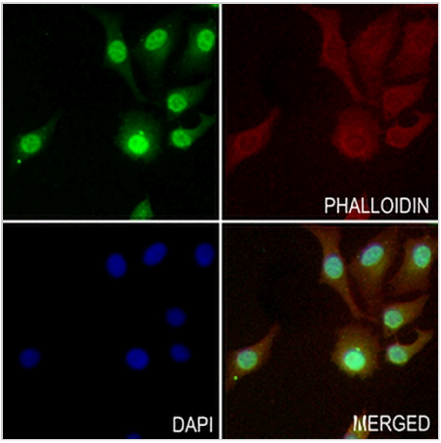
DATA



Western blot analysis of ETS1 (Phospho-S251) expression in Hela (A), NIH3T3 (B), H9C2 (C) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 50 kD)



Immunohistochemical analysis of ETS1 (Phospho-S251) staining in human lymph node formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ETS1 (Phospho-S251) staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 - conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.