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

ERF Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50713

Product Information

Application	WB, IHC
Primary Accession	P50548
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	58703

Additional Information

Gene ID	2077
Other Names	ETS domain-containing transcription factor ERF, Ets2 repressor factor, PE-2, ERF
Dilution	WB~~1:1000 IHC~~1:50-100
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	ERF
Function	Potent transcriptional repressor that binds to the H1 element of the Ets2 promoter. May regulate other genes involved in cellular proliferation. Required for extraembryonic ectoderm differentiation, ectoplacental cone cavity closure, and chorioallantoic attachment (By similarity). May be important for regulating trophoblast stem cell differentiation (By similarity).
Cellular Location	Nucleus.
Tissue Location	Highest levels in testis, ovary, pancreas, and heart.

Background

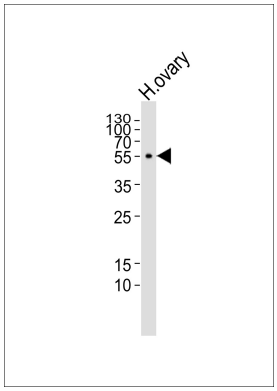
Potent transcriptional repressor that binds to the H1 element of the Ets2 promoter. May regulate other genes involved in cellular proliferation. Required for extraembryonic ectoderm differentiation, ectoplacental cone cavity closure, and chorioallantoic attachment (By similarity). May be important for regulating

trophoblast stem cell differentiation (By similarity).

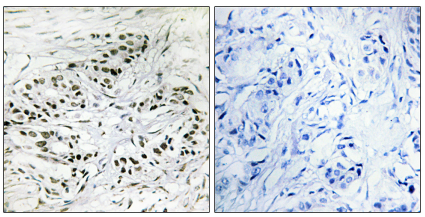
References

Sgouras D.N.,et al.EMBO J. 14:4781-4793(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Grimwood J.,et al.Nature 428:529-535(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysate from human ovary tissue lysate,using ERF Antibody(AP50713). AP50713 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using ERF antibody.

Citations

- Generation of two ERF gene knockout human embryonic stem cell lines using CRISPR/Cas9 system

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