



ERF (phospho Thr526) Polyclonal Antibody

Catalog No	YP-Ab-01426
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	ERF
Immunogen	The antiserum was produced against synthesized peptide derived from human ERF around the phosphorylation site of Thr526. AA range:492-541
Specificity	Phospho-ERF (T526) Polyclonal Antibody detects endogenous levels of ERF protein only when phosphorylated at T526.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ERF;ETS domain-containing transcription factor ERF;Ets2 repressor factor;PE-2
Observed Band	58kD
Calculated Molecular Weight	58kD
Cell Pathway	Nucleus.
Tissue Specificity	Highest levels in testis, ovary, pancreas, and heart.
Function	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.,PTM:Phosphorylated by multiple kinases including probably ERK2. Phosphorylation regulates the activity of ERF., sequence caution:The sequence differs from that shown because it seems to be derived from a pre-mRNA.,similarity:Belongs to the ETS family.,similarity:Contains 1 ETS DNA-binding domain.,tissue specificity:Highest levels



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Background

ETS2 is a transcription factor and protooncogene involved in development, apoptosis, and the regulation of telomerase. The protein encoded by this gene binds to the ETS2 promoter and is a strong repressor of ETS2 transcription. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Aug 2015],

matters needing attention

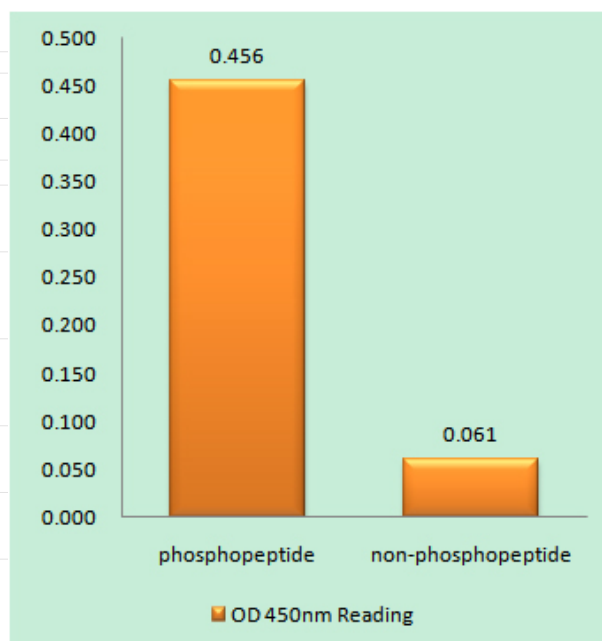
Avoid repeated freezing and thawing!

Usage suggestions

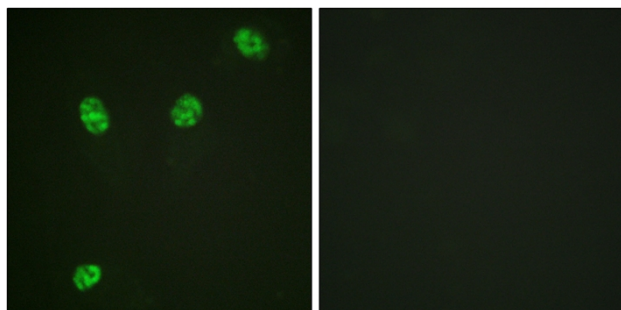
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



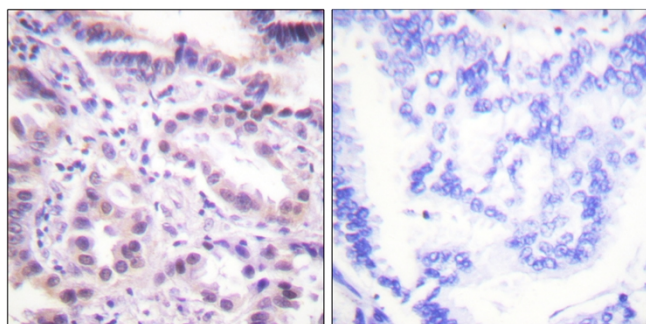
Products Images



Enzyme-Linked Immunosorbent Assay
(Phospho-ELISA) for Immunogen Phosphopeptide
(Phospho-left) and Non-Phosphopeptide
(Phospho-right), using ERF (Phospho-Thr526)
Antibody



Immunofluorescence analysis of HeLa cells, using ERF
(Phospho-Thr526) Antibody. The picture on the right is
blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded
human lung carcinoma, using ERF (Phospho-Thr526)
Antibody. The picture on the right is blocked with the
phospho peptide.