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Anti-ELF5 Antibody

Catalog # AP51186

Product Information

Application	WB, IP, IF/IC
Primary Accession	Q9UKW6
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31263

Additional Information

Gene ID	2001
Other Names	ESE2; ETS-related transcription factor Elf-5; E74-like factor 5; Epithelium-restricted ESE-1-related Ets factor; Epithelium-specific Ets transcription factor 2; ESE-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ELF5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IP~~N/A IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

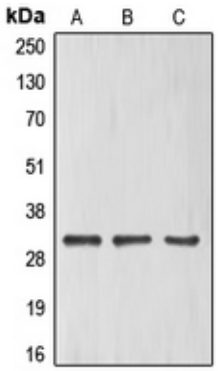
Protein Information

Name	ELF5
Synonyms	ESE2
Function	Transcriptionally activator that may play a role in regulating the later stages of keratinocytes terminal differentiation.
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00237}.
Tissue Location	Expressed exclusively in tissues with a high content of epithelial cells. Highly expressed in salivary gland, mammary gland, kidney and prostate. Weakly expressed in placenta and lung. Isoform 1 and isoform 2 are differentially expressed in different tissues. In the kidney, only isoform 1 was expressed, while prostate expressed both isoforms, with levels of isoform 2 being higher Expression is up-regulated during keratinocyte differentiation. Several epithelial carcinoma cell lines showed lack of expression

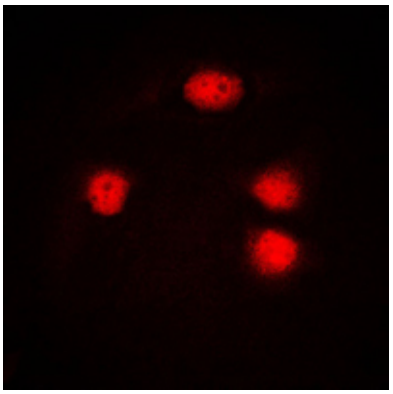
References

Zhou J.,et al.Oncogene 17:2719-2732(1998).
Oettgen P.,et al.J. Biol. Chem. 274:29439-29452(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Taylor T.D.,et al.Nature 440:497-500(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of ELF5 expression in HeLa (A), HuvEc (B), Jurkat (C) whole cell lysates. (Predicted band size: 16; 18; 30; 31 kD; Observed band size: 31 kD)



Immunofluorescent analysis of ELF5 staining in HuvEc 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 humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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