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ELF5 Rabbit pAb

Catalog # AP97529

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9UKW6
Other Accession	Q9UKW6
Predicted	Rat, Human, Mouse, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31263
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ELF5
Epitope Specificity	101-200/265
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ETS family. Contains 1 ETS DNA-binding domain. Contains 1 PNT (pointed) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of an epithelium-specific subclass of the Ets transcritpion factor family. In addition to its role in regulating the later stages of terminal differentiation of keratinocytes, it appears to regulate a number of epithelium-specific genes found in tissues containing glandular epithelium such as salivary gland and prostate. It has very low affinity to DNA due to its negative regulatory domain at the amino terminus. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2011]

Additional Information

Gene ID	2001
Other Names	ELF5_BOVIN; ELF5; E74-like factor 5; ELF5_HUMAN; Epithelium-restricted ESE-1-related Ets factor; Epithelium-specific Ets transcription factor 2 (ESE-2); ESE2; ELF5_MOUSE; E74 like ETS transcription factor 5; E74-like factor 5 (ets domain transcription factor)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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