

**ELF5 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7394c****Specification**

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**ELF5 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9UKW6](#)**ELF5 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2001**Other Names**

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, ELF5, ESE2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7394c](/products/AP7394c) was selected from the Center region of human ELF5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ELF5 Antibody (Center) Blocking Peptide - 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.

### **ELF5 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **ELF5 Antibody (Center) Blocking Peptide - Images**

### **ELF5 Antibody (Center) Blocking Peptide - Background**

ELF5 is a member of an epithelium-specific subclass of the Ets transcription 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.

### **ELF5 Antibody (Center) Blocking Peptide - References**

Choi, Y.S., Biochem. J. 398 (3), 497-507 (2006) Tummala, R., J. Cell. Biochem. 97 (4), 766-781 (2006)