

# Anti-ELF1 Antibody

Catalog # AP60666

## Product Information

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|-------------------|------------------------|
| Application       | WB, IHC, IF/IC         |
| Primary Accession | <a href="#">P32519</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 67498                  |

## Additional Information

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 1997                                                                                                                                                |
| Other Names        | ETS-related transcription factor Elf-1; E74-like factor 1                                                                                           |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ELF1. The exact sequence is proprietary.                 |
| Dilution           | WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) 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                                                                                           |

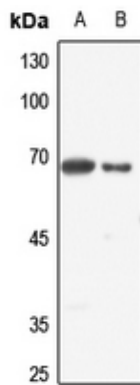
## Protein Information

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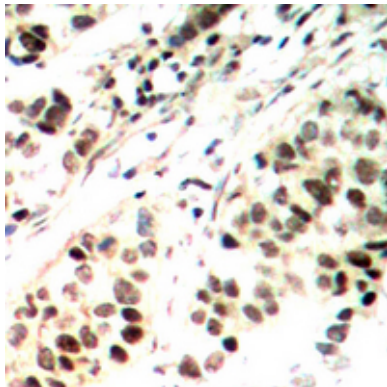
|                   |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | ELF1                                                                                                                                                                                                                                                                                                                                                                               |
| Function          | Transcription factor that activates the LYN and BLK promoters. Appears to be required for the T-cell-receptor-mediated trans activation of HIV-2 gene expression. Binds specifically to two purine-rich motifs in the HIV-2 enhancer.                                                                                                                                              |
| Cellular Location | Nucleus.                                                                                                                                                                                                                                                                                                                                                                           |
| Tissue Location   | In fetal tissues, it is highly expressed in heart, lung liver and kidney, and weakly expressed in brain. In adult, it is highly expressed in pancreas, spleen, thymus and peripheral blood leukocytes, expressed at moderate levels in heart, placenta, lung, liver, skeletal muscle, kidney, prostate, ovary, small intestine and colon, and weakly expressed in brain and testis |

## Images

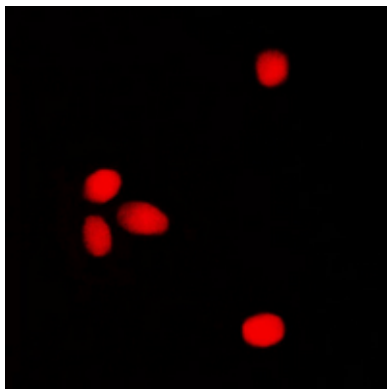
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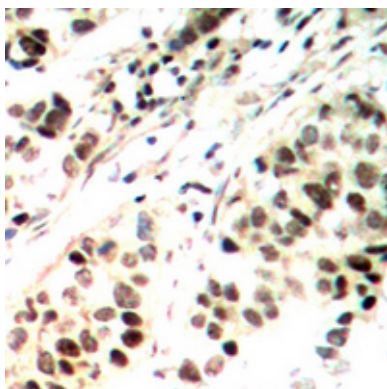
Western blot analysis of ELF1 expression in HEK293T (A), HGC27 (B) whole cell lysates. (Predicted band size: 67 kD; Observed band size: 67 kD)



Immunohistochemical analysis of ELF1 staining in human ovarian cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ELF1 staining in K562 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.



Immunohistochemical analysis of ELF1 staining in human ovarian cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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