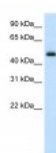




ELF3 Antibody

CATALOG NUMBER: 27-528



Antibody used in WB on Human Thymus
at 2.5 ug/ml.

Specifications

SPECIES REACTIVITY:

TESTED APPLICATIONS:

APPLICATIONS: ELF3 antibody can be used for detection of ELF3 by ELISA at 1:312500. ELF3 antibody can be used for detection of ELF3 by western blot at 2.5 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

USER NOTE: Optimal dilutions for each application to be determined by the researcher.

POSITIVE CONTROL: 1) Cat. No. XBL-10426 - Fetal Thymus Tissue Lysate

PREDICTED MOLECULAR WEIGHT: 41 kDa

IMMUNOGEN: Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human ELF3.

HOST SPECIES: Rabbit

Properties

PURIFICATION: Antibody is purified by protein A chromatography method.

PHYSICAL STATE: Lyophilized

BUFFER: Antibody is lyophilized in PBS buffer with 2% sucrose. Add 100 uL of distilled water. Final antibody concentration is 1 mg/mL.

CONCENTRATION: 1 mg/ml

STORAGE CONDITIONS: For short periods of storage (days) store at 4°C. For longer periods of storage, store ELF3 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.

CLONALITY: Polyclonal

CONJUGATE: Unconjugated

Additional Info

ALTERNATE NAMES: ELF3, ERT, ESX, EPR-1, ESE-1

ACCESSION NO.: NP_004424

PROTEIN GI NO.: 167235023

OFFICIAL SYMBOL: ELF3

GENE ID: 1999

Background

BACKGROUND: ELF3 is a novel, highly tissue-restricted member of the ets transcription factor/oncogene family. ELF3 contains two putative DNA binding domains: an ETS domain, which is unique in that the 5' half shows relatively weak homology to known ets factors, and an A/T hook domain, found in HMG proteins and various other nuclear factors. In contrast to any known ets factors, ELF3 is expressed exclusively in epithelial cells. ELF3 is expected to be a critical regulator of epithelial cell differentiation. ETS factor ELF3 is a transcriptional regulator of angiopoietin-1 gene regulation in the setting of inflammation. ELF3 overexpressed early during human breast tumorigenesis. ELF3 expression confers a transformed and in vitro metastatic phenotype to otherwise normal MCF-12A cells. ELF3 mediates the expression of TGF-beta RII, and the transcriptional inhibition of ets-related transcription factor could be a one of the mechanisms of colonic carcinogenesis. ELF3 is positively and negatively modulated by other interacting proteins including Ku70, Ku86, p300, and CBP.

REFERENCES: 1) Wang, H., (2004) J. Biol. Chem. 279 (24), 25241-25250.

FOR RESEARCH USE ONLY

December 12, 2016