

ETV4 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1193a**Specification**

ETV4 Antibody - Product Information

Application	WB, E
Primary Accession	P43268
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	54kDa KDa

Description

ETV4: ets variant gene 4 (E1A enhancer binding protein, E1AF), also known as PEA3. Several members of the Ets gene family are known to encode sequencespecific DNA binding proteins. These include mouse PU.1, mouse and human Ets-1, Drosophila E74, chicken and human Ets-2 and rat GABP- α . Each of these proteins recognizes similar motifs in DNA that share a centrally located 5'-GGAA-3' element. For instance, PEA3 binds the motif 5'-AGGAAG-3' (the PEA-3 motif), but does not bind to the sequence 5'-AGGAAC-3', recognized by PU.1, although PU.1 binds equally well to both sequences. It appears that all of the Ets proteins recognize the same central core sequence but that each protein interacts with unique sequences that flank this core. PEA3 is expressed at readily detectable levels in cells of epithelial and fibroblastic origin but is not expressed in hematopoietic cells. This is in contrast to other members of the Ets gene family, such as Ets-1, Ets-2 and Fli-1, each of which is expressed primarily in cells of hematopoietic origin.

Immunogen

Purified recombinant fragment of human ETV4 (aa50-109) expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

ETV4 Antibody - Additional Information

Gene ID 2118

Other Names

ETS translocation variant 4, Adenovirus E1A enhancer-binding protein, E1A-F, Polyomavirus enhancer activator 3 homolog, Protein PEA3, ETV4, E1AF, PEA3

Dilution

WB~~1/500 - 1/2000

E~~N/A

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ETV4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ETV4 Antibody - Protein Information

Name ETV4

Synonyms E1AF, PEA3

Function

Transcriptional activator (PubMed:19307308, PubMed:31552090). May play a role in keratinocyte differentiation (PubMed:31552090).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00237}.

Tissue Location

Expressed in keratinocytes.

ETV4 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ETV4 Antibody - Images

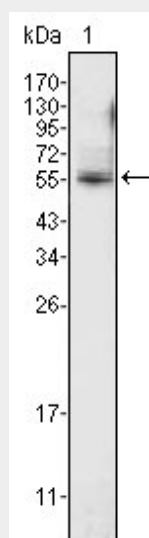


Figure 1: Western blot analysis using ETV4 mouse mAb against K562 cell lysate (1).

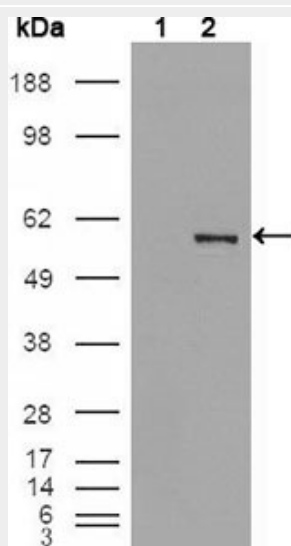


Figure 2: Western blot analysis using ETV4 mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY ETV4 cDNA (2).

ETV4 Antibody - References

1. J Biol Chem. 2005 Apr 1;280(13):12503-16. 2. Mol Carcinog. 2006 Sep;45(9):667-75. 3. Oncol Rep. 2006 Jul;16(1):153-8.