

ETV4 Antibody
Catalog # ASC12031**Specification**

ETV4 Antibody - Product Information

Application	WB, E
Primary Accession	P43268
Other Accession	24307883 , NP_001977 , 2118
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	53938
Application Notes	ETV4 antibody can be used for Western blot at 1 - 2 µg/mL.

ETV4 Antibody - Additional Information

Gene ID	2118
Other Names	
ETV4 Antibody: ETS variant 4, E1AF, PEA3, E1A-F, PEAS3	

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:<<http://www.uniprot.org/citations/19307308>>19307308, PubMed:<<http://www.uniprot.org/citations/31552090>>31552090). May play a role in keratinocyte differentiation (PubMed:<<http://www.uniprot.org/citations/31552090>>31552090).

Cellular Location

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

Tissue Location

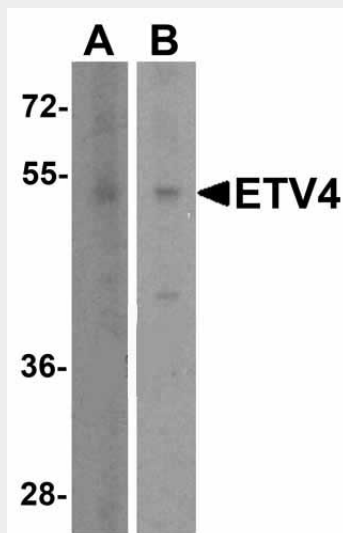
Expressed in keratinocytes.

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



Western blot analysis of ETV4 in (A) human brain tissue lysate and (B) A431 cell lysate with ETV4 antibody at 1 µg/ml.

ETV4 Antibody - Background

ETV4 Antibody: ETV4, along with the related proteins ETV1 and ETV5, form the PEA3 subfamily of the E26 transformation-specific (ETS) transcription factor family (1). ETV4 is thought to play roles in embryonic kidney development and fertility (2,3), and is also thought to be an oncoprotein in multiple cancers (4).

ETV4 Antibody - References

Xin JH, Cowie A, LAchance P, et al. Molecular cloning and characterization of PEA3, a new member of the Ets oncogene family that is differentially expressed in mouse embryonic cells. *Genes Dev.* 1992; 6:481-96.; Lu BC, Cebrian C, Chi X, et al. ETV4 and ETV5 are required downstream of GDNF and Ret for kidney branching morphogenesis. *Nat. Genet.* 2009; 41:1295-302.; Laing MA, Coonrod S, Hinton BT, et al. Male sexual dysfunction in mice bearing targeted mutant alleles of the PEA3 ets gene. *Mol. Cell. Biol.* 2000; 20:9337-45.; Oh S, Shin S, and Janknecht R. ETV1, 4 and 5: An oncogenic subfamily of ETS transcription factors. *Biochim. Biophys. Acta* 2012; 1826:1-12.