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ETV4 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6642B

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P43268
Other Accession	P28322
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20008
Calculated MW	53938
Antigen Region	419-447

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
Target/Specificity	This ETV4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 419-447 amino acids from the C-terminal region of human ETV4.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ETV4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ETV4
Synonyms	E1AF, PEA3

Function	Transcriptional activator (PubMed: 19307308, PubMed:31552090). Regulates the positioning of motor neurons within the lateral medial column of the spinal cord and controls the terminal arborization of specific motor neuron axons within their target muscles (By similarity). Required for the expression of CDH8 and SEMA3E in ETV4- expressing motor neurons and for the exclusion of CDH7 expression from these neurons (By similarity). May play a role in keratinocyte differentiation (PubMed:31552090).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00237}.
Tissue Location	Expressed in keratinocytes.

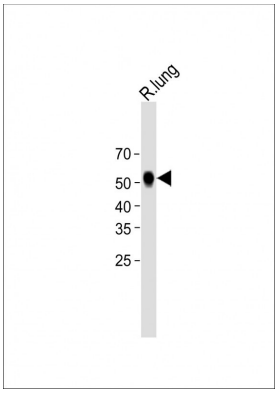
Background

ETV4 is a transcriptional activator that binds to the enhancer of the adenovirus E1A gene; the core-binding sequence is 5'[AC]GGA[AT]GT-3'.

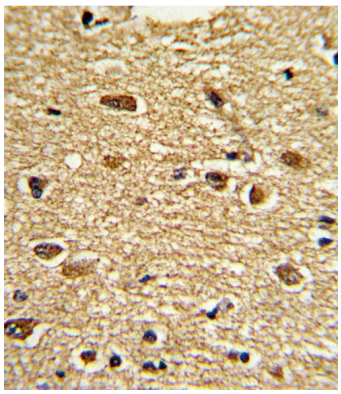
References

Wei,Y., J. Biochem. 144 (4), 539-546 (2008)

Images

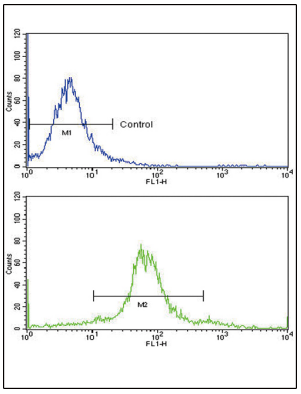


All lanes: Anti-ETV4 Antibody (C-term) at 1:1000 dilution + Rat lung lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 54 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human brain tissue reacted with ETV4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Flow cytometric analysis of widr cells using ETV4 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram)FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Citations

- E3 ubiquitin ligase RFWD2 controls lung branching through protein-level regulation of ETV transcription factors.

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