

Basic Information

Product Name	Anti-ETV4 Antibody
Gene Name	ETV4
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Pea3 different from the related mouse sequence by seven amino acids.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	68 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

ETS translocation variant 4 (ETV4), also known as polyoma enhancer activator 3 (PEA3), or E1AF, is a member of the PEA3 subfamily of Ets transcription factors. It is mapped to 17q21.31. E1AF can activate the promoters of various matrix metalloproteinases, genes whose expression is associated with tumor cell invasion and metastasis, by 10 to 20 fold. Pea3 is detected in cells of epithelial and fibroblastic origin. It is also a transcriptional activator that binds to the enhancer of the adenovirus E1A gene.

Selected Validation Data



Western blot analysis of ETV4 using anti-ETV4 antibody (PB0778).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Rat lung tissue lysates,

Lane 2: HELA whole cell lysates,

Lane 3: A549 whole cell lysates,

Lane 4: SW620 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-ETV4 antigen affinity purified polyclonal antibody (PB0778) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ETV4 at approximately 68 kDa. The expected band size for ETV4 is at 54 kDa.