

For Research Use Only

ETV4 Recombinant antibody

Catalog Number:83891-6-RR



Basic Information

Catalog Number: 83891-6-RR	GenBank Accession Number: BC007242	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2118	CloneNo.: 241042E10
Source: Rabbit	UNIPROT ID: P43268	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: ets variant 4	
Immunogen Catalog Number: AG0984	Calculated MW: 54 kDa	
	Observed MW: 61-65 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : K-562 cells, IHC : human colon cancer tissue, human stomach cancer tissue IF/ICC : A431 cells,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

ETS translocation variant 4 (ETV4), also named as E1A-F or PEA3, is 484 amino acid protein, which contains one ETS DNA-binding domain and belongs to the ETS family. The calculated molecular weight of ETV4 protein is 54 kDa, but the phosphorylated ETV4 is a 54-61 kDa protein. ETV4 as a transcription activator localizes in the nucleus and binds to the enhancer of the adenovirus E1A gene.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

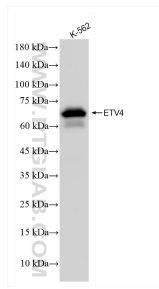
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

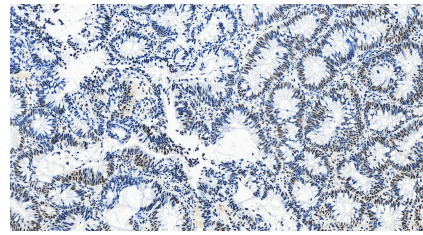
E: proteintech@ptglab.com
W: ptglab.com

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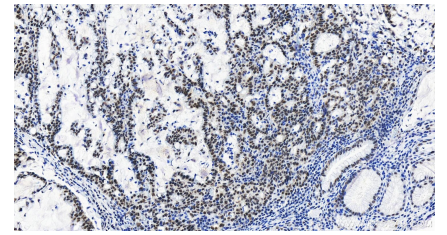
Selected Validation Data



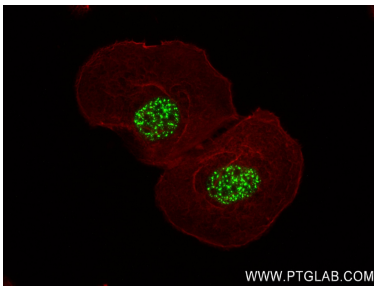
K-562 cells were subjected to SDS PAGE followed by western blot with 83891-6-RR (ETV4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



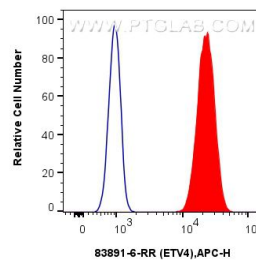
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 83891-6-RR (ETV4 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



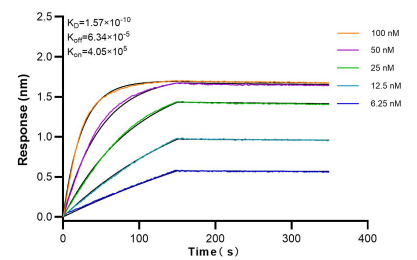
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83891-6-RR (ETV4 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using ETV4 antibody (83891-6-RR, Clone: 241042E10) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1×10^6 U2OS cells were intracellularly stained with 0.25 ug ETV4 Recombinant antibody (83891-6-RR, Clone:241042E10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Bi-layer interferometry (BLI) kinetic assays of 83891-6-RR against Human ETV4 were performed. The affinity constant is 0.157 nM.