

For Research Use Only

ETV4 Recombinant antibody

Catalog Number: 83891-6-RR



Basic Information

Catalog Number:

83891-6-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0984

GenBank Accession Number:

BC007242

GeneID (NCBI):

2118

UNIPROT ID:

P43268

Full Name:

ets variant 4

Calculated MW:

54 kDa

Observed MW:

61-65 kDa

Purification Method:

Protein A purification

CloneNo.:

241042E10

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

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

Positive Controls:

WB : K-562 cells,

IHC : human colon cancer tissue, human stomach cancer tissue

IF/ICC : A431 cells,

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

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

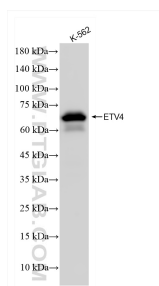
T: 4006900926

E: Proteintech-CN@ptglab.com

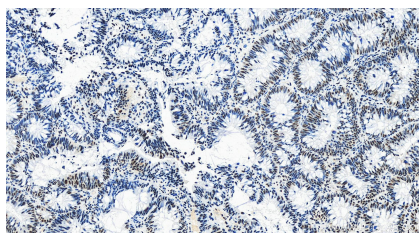
W: ptgcn.com

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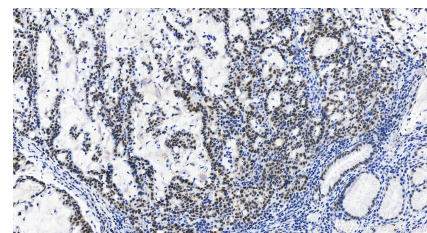
Selected Validation Data



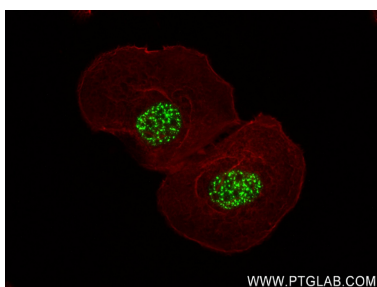
K-562 cells were subjected to SDS PAGE followed by western blot with 83891-6-RR (ETV4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



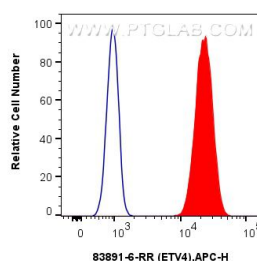
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 83891-6-RR (ETV4 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



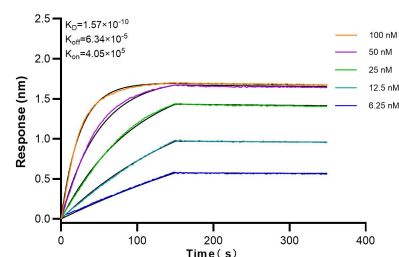
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83891-6-RR (ETV4 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 μ g ETV4 Recombinant antibody (83891-6-RR, Clone:241042E10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



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