

[KD Validated] ETV1 Rabbit mAb

Catalog No.: A26308 **Recombinant**

Basic Information

Observed MW

55kDa

Calculated MW

55kDa

Category

Primary antibody

Applications

WB,IP,ELISA,ChIP

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC60301

Background

This gene encodes a member of the ETS (E twenty-six) family of transcription factors. The ETS proteins regulate many target genes that modulate biological processes like cell growth, angiogenesis, migration, proliferation and differentiation. All ETS proteins contain an ETS DNA-binding domain that binds to DNA sequences containing the consensus 5'-CGGA[AT]-3'. The protein encoded by this gene contains a conserved short acidic transactivation domain (TAD) in the N-terminal region, in addition to the ETS DNA-binding domain in the C-terminal region. This gene is involved in chromosomal translocations, which result in multiple fusion proteins including EWS-ETV1 in Ewing sarcoma and at least 10 ETV1 partners (see PMID: 19657377, Table 1) in prostate cancer. In addition to chromosomal rearrangement, this gene is overexpressed in prostate cancer, melanoma and gastrointestinal stromal tumor. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Recommended Dilutions

WB 1:500 - 1:1000

IP 0.5µg-4µg antibody for
400µg-800µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

ChIP 5µg antibody for
10µg-15µg of Chromatin

Contact

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Immunogen Information

Gene ID

2115

Swiss Prot

P50549

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ETV1 (NP_004947.2).

Synonyms

ER81

Product Information

Source

Rabbit

Isotype

IgG

Purification

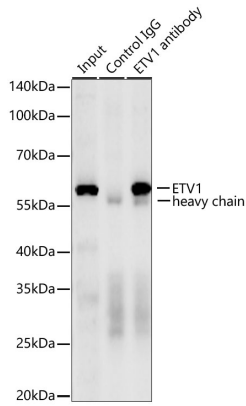
Affinity purification

Storage

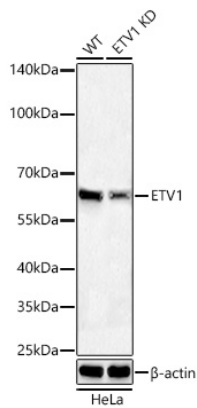
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

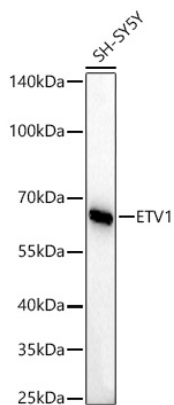
Validation Data



Immunoprecipitation of ETV1 from 600 μ g extracts of Mouse brain was performed using 1 μ g of [KD Validated] ETV1 Rabbit mAb (A26308). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using ETV1 Rabbit mAb (A26308) at a dilution of 1:5000.

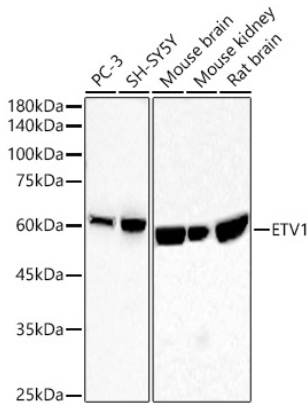


Western blot analysis of lysates from wild type (WT) and ETV1 knockdown (KD) HeLa cells using [KD Validated] ETV1 Rabbit mAb (A26308) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.

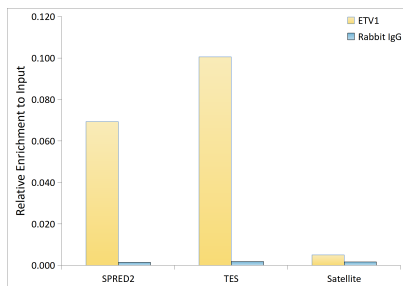


Western blot analysis of lysates from SH-SY5Y cells using [KD Validated] ETV1 Rabbit mAb (A26308) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.

Validation Data



Western blot analysis of various lysates using [KD Validated] ETV1 Rabbit mAb (A26308) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Chromatin immunoprecipitation was performed with 10 µg of cross-linked chromatin from K-562, using 5 µg of [KD Validated] ETV1 Rabbit mAb (A26308) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.