

A26308

Leader in Biomolecular Solutions for Life Science



[KD Validated] ETV1 Rabbit mAb

Catalog No.: A26308

Recombinant

Basic Information

Observed MW

55kDa/55KD

Calculated MW

55kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IP,ChIP,ELISA

Cross-Reactivity

Human,Mouse,Rat

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 1:1000 - 1:2000

IP 0.5µg-4µg antibody for
500µg-700µg 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

Immunogen Information

Gene ID
2115

Swiss Prot
P50549

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

ER81

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage

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

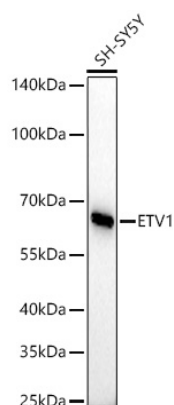
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

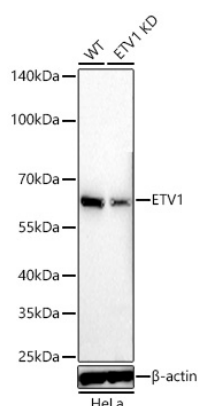


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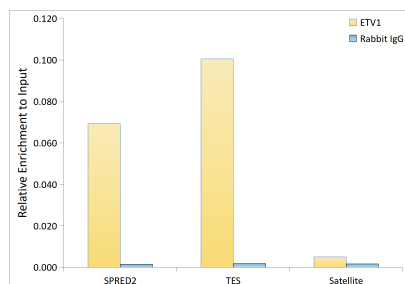
Validation Data



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 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 45s.



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 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 45s.



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.