ETS1 Rabbit mAb

Catalog No.: A30152

Recombinant

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Basic Information

Observed MW
52 kDa

Calculated MW
25-55 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, IF/ICC, ChIP, ELISA

Cross Reactivity
Human

Clone No.
ARC4202

Background

This gene encodes a member of the ETS family of transcription factors, which are defined by the presence of a conserved ETS DNA-binding domain that recognizes the core consensus DNA sequence GGAA/T in target genes. These proteins function either as transcriptional activators or repressors of numerous genes, and are involved in stem cell development, cell senescence and death, and tumorigenesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Recommended Dilutions

WB 1:40000 - 1:400000

IP
0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells

IF/ICC 1:10000 - 1:20000

ChIP
4 μg antibody for 15 μg - 20 μg of Chromatin

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
2113

Swiss-Prot
P14921

Immunogen
This information is considered to be commercially sensitive.

Synonyms
p54; ETS-1; EWSR2; c-ets-1

Contact

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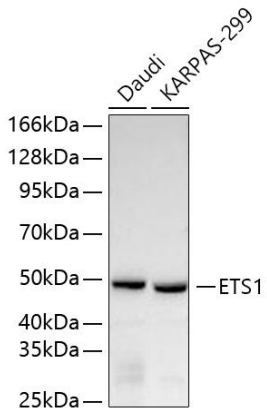
Product Information

Source	Isotype	Purity
Rabbit	IgG	Affinity purification

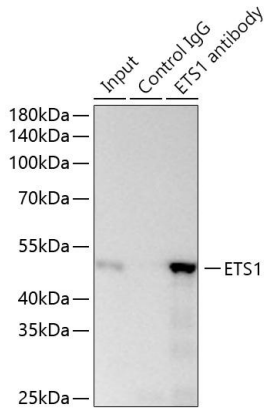
Storage

Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH 7.3.

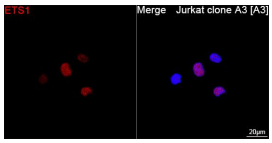
Validation Data



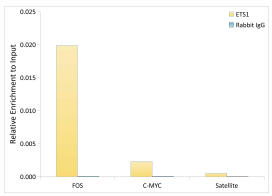
Western blot analysis of various lysates using ETS1 Rabbit mAb (A30152) at 1: 400000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.



Immunoprecipitation of ETS1 from 200 µg extracts of Daudi cells was performed using 2 µg of ETS1 Rabbit mAb (A30152). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using ETS1 Rabbit mAb (A30152) at a dilution of 1:10000.



Confocal imaging of Jurkat clone A3 [A3] cells using ETS1 Rabbit mAb (A30152, dilution 1:20000) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Chromatin immunoprecipitation was performed with 20 µg of cross-linked chromatin from K-562 cells, using 4 µg of ETS1 Rabbit mAb (A30152) 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.

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