

# Anti-FLI1 Antibody

Catalog # ABO11488

#### Specification

## Anti-FLI1 Antibody - Product Information

ApplicationWB, IHC-PPrimary Accession001543HostRabbitReactivityHuman, Mouse, RatClonalityPolyclonalFormatLyophilizedDescriptionRabbit IgG polyclonal antibody for Friend leukemia integration 1 transcription factor(FLI1)detection. Tested with WB, IHC-P in Human; Mouse; Rat.

**Reconstitution** Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

### Anti-FLI1 Antibody - Additional Information

Gene ID 2313

**Other Names** Friend leukemia integration 1 transcription factor, Proto-oncogene Fli-1, Transcription factor ERGB, FLI1

Calculated MW 50982 MW KDa

**Application Details** Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μg/ml, Human, Rat, Mouse, By Heat<br>br>Western blot, 0.1-0.5 μg/ml, Human, Mouse, Rat<br>br>

Subcellular Localization Nucleus.

**Protein Name** Friend leukemia integration 1 transcription factor

**Contents** Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

**Immunogen** A synthetic peptide corresponding to a sequence at the N-terminus of human FLI1(54-73aa QQEWINQPVRVNVKREYDHM), identical to the related rat and mouse sequences.

**Purification** Immunogen affinity purified.



**Cross Reactivity** No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities Belongs to the ETS family.

### Anti-FLI1 Antibody - Protein Information

Name FLI1

Function

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Sequence-specific transcriptional activator (PubMed:<a
href="http://www.uniprot.org/citations/24100448" target="_blank">24100448</a>, PubMed:<a
href="http://www.uniprot.org/citations/26316623" target="_blank">26316623</a>, PubMed:<a
href="http://www.uniprot.org/citations/28255014" target="_blank">28255014</a>). Recognizes
the DNA sequence 5'- C[CA]GGAAGT-3'.
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**Cellular Location** Nucleus.

#### **Anti-FLI1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-FLI1 Antibody - Images





Anti-FLI1 antibody, ABO11488, IHC(P)IHC(P): Human Tonsil Tissue



Anti-FLI1 antibody, ABO11488, Western blottingLane 1: JURKAT Cell LysateLane 2: RAJI Cell Lysate



Anti-FLI1 antibody, ABO11488, IHC(P)IHC(P): Rat Spleen Tissue Anti-FLI1 Antibody - Background



Friend leukemia integration 1 transcription factor, also known as Transcription factor ERGB or Proto-oncogene Fli-1 is a protein that in humans is encoded by the human FLI1 gene. The fli1 protooncogene encodes a member of the ETS family of winged helix-turn-helix transcription factors. This gene is mapped to 11q24.3. Fli-1 is activated through retroviral insertional mutagenesis in 90% of F-MuLV-induced erythroleukemias. The constitutive activation of fli-1 in erythroblasts leads to a dramatic shift in the Epo/Epo-R signal transduction pathway, blocking erythroid differentiation, activating the Ras pathway, and resulting in massive Epo-independent proliferation of erythroblasts. These results suggest that Fli-1 overexpression in erythroblasts alters their responsiveness to Epo and triggers abnormal proliferation by switching the signaling event(s) associated with terminal differentiation to proliferation.