

Datasheet for ABIN3043998  
**anti-FLI1 antibody (N-Term)**

4 Images

1 Publication

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## Overview

Quantity:	100 µg
Target:	FLI1
Binding Specificity:	AA 54-73, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Friend leukemia integration 1 transcription factor(FLI1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
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.
Sequence:	QQEWINQPVR VNVKREYDHM
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>
Characteristics:	Rabbit IgG polyclonal antibody for Friend leukemia integration 1 transcription factor(FLI1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.

## Product Details

Gene Name: Friend leukemia virus integration 1

Protein Name: Friend leukemia integration 1 transcription factor

Purification: Immunogen affinity purified.

## Target Details

Target: FLI1

Alternative Name: FLI1 ([FLI1 Products](#))

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.

Synonyms: ERGB transcription factor antibody|Ewing Sarcoma breakpoint region 2 antibody|EWSR 2 antibody|EWSR2 antibody|FLI 1 antibody|FLI 1 proto oncogene antibody|FLI1 antibody|FLI1 EWS fusion gene antibody|FLI1 proto oncogene antibody|FLI1\_HUMAN antibody|Friend leukemia integration 1 transcription factor antibody|Friend leukemia virus integration 1 antibody|Proto-oncogene Fli-1 antibody|SIC 1 antibody|SIC1 antibody|Transcription factor ERGB antibody|Viral integration region FLI1 antibody

UniProt: [Q01543](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse,  
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

## Application Details

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, 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.

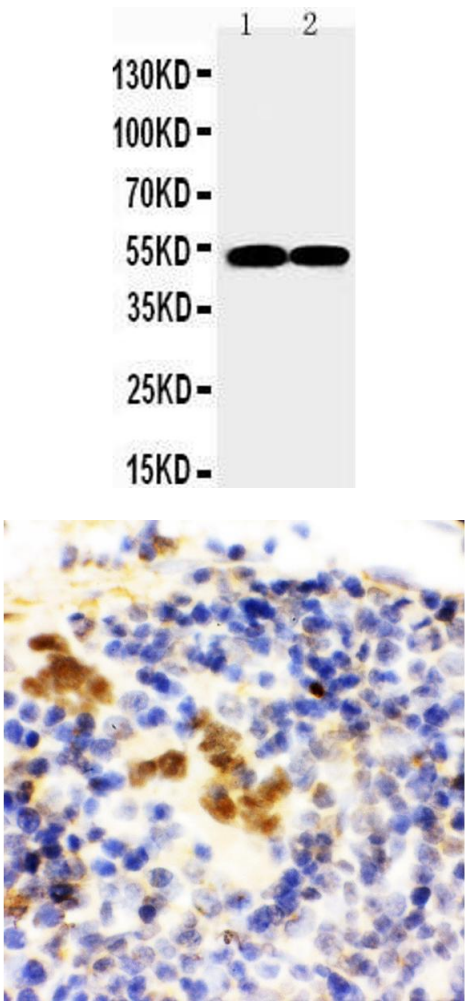
Expiry Date: 12 months

## Publications

Product cited in: Lang, Schulte, Goddard, Hedrick, Schulte, Wei, Schmiedt: "Transplantation of mouse embryonic stem cells into the cochlea of an auditory-neuropathy animal model: effects of timing after injury." in: **Journal of the Association for Research in Otolaryngology : JARO**, Vol. 9, Issue 2, pp. 225-40, (2008) ([PubMed](#)).

Lang, Ebihara, Schmiedt, Minamiguchi, Zhou, Smythe, Liu, Ogawa, Schulte: "Contribution of bone marrow hematopoietic stem cells to adult mouse inner ear: mesenchymal cells and fibrocytes." in: **The Journal of comparative neurology**, Vol. 496, Issue 2, pp. 187-201, (2006) ([PubMed](#)).

Validation report #300029 for Immunohistochemistry (IHC)



Western Blotting

**Image 1.** Anti-FLI1 antibody, Western blotting Lane 1: JURKAT Cell Lysate Lane 2: RAJI Cell Lysate

Immunohistochemistry

**Image 2.** Anti-FLI1 antibody, IHC(P) IHC(P): Rat Spleen Tissue

Immunohistochemistry

**Image 3.** Anti-FLI1 antibody, IHC(P) IHC(P): Human Tonsil Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043998.