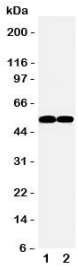
FLI1 Antibody (R31300)

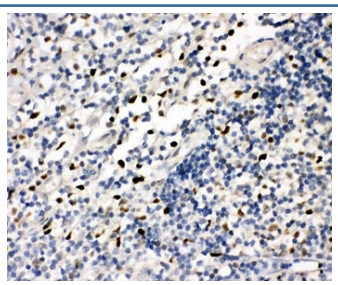
Catalog No.	Formulation	Size
R31300	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

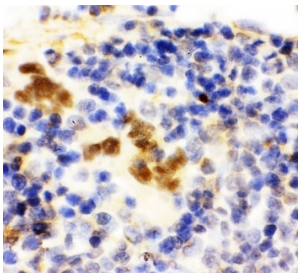
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q01543
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This FLI1 antibody is available for research use only.



FLI1 Antibody WB. Western blot testing of FLI1 antibody and Lane 1: Jurkat; 2: Raji cell lysate. Predicted/observed molecular weight: ~51kDa.



FLI1 Antibody Tonsil Immunohistochemistry. IHC-P: FLI1 antibody testing of human tonsil tissue. HIER: steamed with pH6 citrate buffer.



FLI1 Antibody Rat Spleen Immunohistochemistry. IHC-P: FLI1 antibody testing of rat spleen tissue. HIER: steamed with pH6 citrate buffer.

Description

FLI1 Antibody specifically detects Friend leukemia integration 1, also known as Transcription factor ERGB, is a protein that in humans is encoded by the human FLI1 gene. The protooncogene encodes a member of the ETS family of winged helix-turn-helix transcription factors. This gene is mapped to 11q24.3. Fli1 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 Fli1 overexpression in erythroblasts alters their responsiveness to Epo and triggers abnormal proliferation by switching the signaling event(s) associated with terminal differentiation to proliferation.

Explore our FLI1 Antibody / ETS Transcription Factor Marker page for additional validation data and research applications involving Ewing sarcoma biology, hematopoietic differentiation, endothelial signaling, and ETS family transcriptional regulation pathways.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the FLI1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Friend leukemia integration 1 (QQEWINQPVRVNVKREYDHM) was used as the immunogen for this FLI1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the FLI1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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