

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FLI1 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human FLI1 Ser13-Pro112 Accession # Q01543
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

FLI1 (Friend leukemia virus integration site 1; also ERGB) is a member of the ETS family of transcription factors. Although its predicted MW is 51 kDa, FLI1 is expressed by megakaryocytes, macrophages, B cells and embryonic endothelial cells. It is a transcriptional activator that regulates the genes for Tie-2, Gp11b, MPL and TGF-β RII. Human FLI1 is 452 amino acids (aa) in length. It contains one PNT domain that is involved in heterotypic interactions (aa 112-198) and an ETS DNA-binding domain (aa 281-361). There are two potential splice variants. One shows an alternative start site at Met34, while another contains a 10 aa substitution for aa 1-76. There are a series of naturally occurring 62-68 kDa chimeric proteins (EWS/FLI1) in tumors that result from a chromosomal translocation involving the EWS and FLI1 genes. One creates a 499 aa chimera that includes aa 1-265 of EWS and 220-452 of FLI1. Over aa 13-112, human FLI1 shares 98% aa identity with mouse FLI1.

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