

Catalog Number: AF6474

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	
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.	

APPLICATIONS

	Recommended Sample Concentration
Vestern Blot	0.5 µg/mL See Below
DATA	
Western Blot	
Jurkat kDa WCL Cyto N 199 - - - - 116 - - - - - - - 80 -	 Detection of Human FL/1 by Western Blot. Western blot shows lysates of Jurkat human acute T cell leukemia cell line. Gels were loaded with 30 µg of whole cell lysate (WCL), 20 µg of cytoplasmic (Cyto), and 10 µg of nuclear extracts (Nuc). PVDF Membrane was probed with 0.5 µg/mL of Human FLI1 Antigen Affinity-purified Polycional Antibody (Catalog # HAFO16). A specific band was detected for FLI1 at approximately 53 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.
PREPARATION AND S	TORAGE
Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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, GpIlb, 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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Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956 USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373 Europe | Middle East | Africa TEL +44 (0)1235 529449