Datasheet for ABIN967451

anti-FLI1 antibody

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Overview

Quantity:	0.1 mg
Target:	FLI1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FLI1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Fli-1 ets Domain Fusion Protein
Clone:	G146-254
Isotype:	IgG2a
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	FLI1
Alternative Name:	Fli-1 (FLI1 Products)
Background:	Fli-1 is a 50 kDa ets-related transcription factor. Like other ets-related proteins it binds to consensus sites in DNA through a 85 amino acid ets domain in the carboxyl region of the protein. Fli-1 is associated with Ewing sarcoma through at (11,22)(q24,q12) chromosomal translocation. This translocation brings the 5' region of the EWS gene into conjunction with the 3' region of the Fli-1 gene encoding the ets-DNA binding domain. Such a translocation is found in 85% of Ewing sarcomas. The resulting fusion protein has the DNA binding activity of Fli-1 and, with the EWS domain, it is also a more potent transcriptional activator than Fli-1 itself. The strong transforming activity of the EWS-Fli-1 fusion protein may in part be due to its ability to trans-activate the promoter for c-myc. C-myc is known to be elevated in Ewing sarcomas. Clone G146-254 was raised against a bacterially expressed Fli-1 ets domain fusion protein.
Molecular Weight:	50 kDa

Application Details

Application Notes:	Applications include western blot analysis (0.5-2 µg/ml). Additional applications not routinely tested include gel shift and immunoprecipitation. Clone G146-254 has been shown to recognize in vitro translated, recombinant bacterially expressed, and endogenous B cell Fli-1. In gel shift assays this antibody supershifts complexes of Fli-1 and DNA probe.
Comment:	Related Products: ABIN967389, ABIN968537
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C.

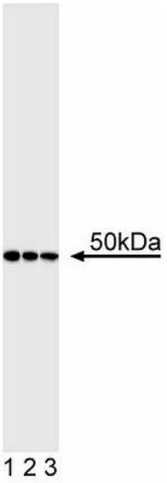
Publications

Product cited in:

Bailly, Bosselut, Zucman, Cormier, Delattre, Roussel, Thomas, Ghysdael: "DNA-binding and transcriptional activation properties of the EWS-FLI-1 fusion protein resulting from the t(11;22) translocation in Ewing sarcoma." in: **Molecular and cellular biology**, Vol. 14, Issue 5, pp. 3230-41, (1994) (PubMed).

May, Lessnick, Braun, Klemsz, Lewis, Lunsford, Hromas, Denny: "The Ewing's sarcoma EWS/FLI-1 fusion gene encodes a more potent transcriptional activator and is a more powerful transforming gene than FLI-1." in: **Molecular and cellular biology**, Vol. 13, Issue 12, pp. 7393-8, (1994) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of Fli-1. Lysate from Jurkat cells was probed with anti-Fli-1 (clone G146-254) at concentrations of 2.0 (lane 1), 1.0 (lane 2), and 0.5 myg/ml (lane 3). Fli-1 is identified as a band of ~50 kDa.

Image 2.