

FLI1 monoclonal antibody

Catalog: MB66007

Host: Mouse

Reactivity: Human

BackGround:

Friend leukemia integration 1 (FLI1) transcription factor is an ETS domain-containing transcription factor that plays an important and highly conserved role in vertebrate development, particularly hematopoiesis, where it functions to activate transcription of genes that promote erythroblast proliferation. In mice, the Fli1 locus is a common retroviral insertion site for the Friend murine leukemia virus (F-MuLV), such that a majority of F-MuLV-induced erythroleukemias are associated with aberrant Fli1 expression. Notably in humans, aberrant FLI1 expression has also been linked to poor prognosis in acute myeloid leukemia. Also in humans, a t(11;22)(q24;q12) chromosomal translocation has been described that generates a chimeric protein (EWS/FLI1) comprised of the amino-terminal transactivation domain of Ewing's sarcoma breakpoint region 1 (EWS) and the carboxy-terminal ETS domain of FLI1. The EWS/FLI1 fusion protein functions as a transcriptional activator that is reportedly responsible for >85% of the known cases of pediatric Ewing's sarcoma, an aggressive bone and soft tissue tumor.

Product:

Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Molecular Weight:

~ 50 kDa

Swiss-Prot:

Q01543

Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB (1/500 - 1/1000), IHC (1/100 - 1/300)

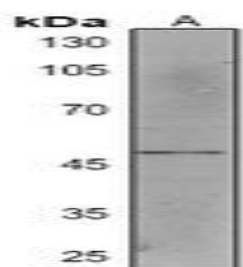
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

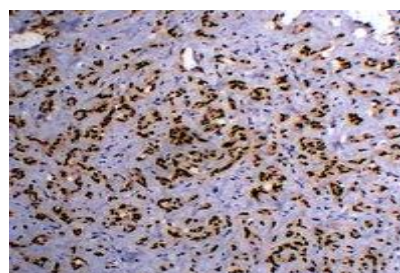
Specificity:

Recognizes endogenous levels of FLI1 protein.

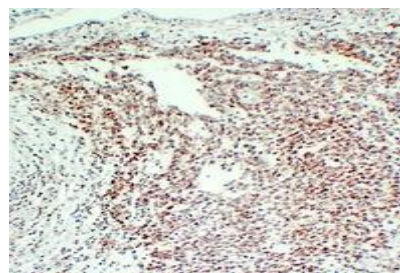
DATA:



Western blot analysis of FLI1 expression in Jurkat (A) whole cell lysates.



Immunohistochemical analysis of FLI1 staining in human hemangioendothelioma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of FLI1 staining in human pnet formalin

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

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Note:

For research use only, not for use in diagnostic procedure.

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