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36-2325: Anti-ALK (Anaplastic Lymphoma Kinase) / CD246 Monoclonal Antibody(Clone: **ALK/1031)**

Clonality: Monoclonal **Clone Name:** ALK/1031 Application: WB Reactivity: Human Gene: ALK Gene ID: 238 **Uniprot ID:** O9UM73

ALK Tyrosine Kinase Receptor, ALK/NPM1 fusion gene, Anaplastic lymphoma kinase Ki1,

Anaplastic Lymphoma Kinase p80, anaplastic lymphoma receptor tyrosine kinase, CD246,

mutant anaplastic lymphoma kinase, NBLST3, Tcrz, TFG/ALK

Isotype: Mouse IgG2b, kappa

Immunogen Information: Recombinant human ALK protein fragment covering ~aa400-500.

Description

Alternative Name:

The wild-type anaplastic lymphoma kinase (ALK) protein is a 200kDa transmembrane receptor tyrosine kinase. Its expression is restricted to a few scattered cells in the nervous system (some glial cells and neurons, and a few endothelial cells and pericytes. The hybrid gene, NPM-ALK, created by the t(2;5)(p23;q35) chromosomal translocation encodes part of the nucleolar phosphoprotein, nucleophosmin (NPM), joined to the entire cytoplasmic portion of the anaplastic lymphoma kinase (ALK) receptor tyrosine kinase. As a consequence, the ALK gene comes under the control of the NPM promoter, which induces a permanent and ubiquitous transcription of the NPM-ALK hybrid gene, resulting in the production of a 80kDa NPM-ALK chimeric protein. This translocation is found in anaplastic large cell lymphomas (ALCL). Reportedly, expression of ALK indicates a better prognosis. Approximately 5%-10% of non-small cell lung carcinomas also express ALK protein producing a cytoplasmic staining pattern. This MAb also reacts with blood vessels that serves as an internal positive control.

Product Info

Amount: $20 \mu g / 100 \mu g$

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS Content:

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition:

is stable for 24 months. Non-hazardous.

Application Note

Western Blot (1-2ug/ml);

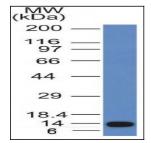


Fig. 1: Western Blot Analysis of recombinant fragment of ALK using ALK Monoclonal Antibody (ALK/1031).