

36-2326: Anti-ALK (Anaplastic Lymphoma Kinase) / CD246 Monoclonal Antibody(Clone: ALK/1032)

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| Clonality : | Monoclonal |
| Clone Name : | ALK/1032 |
| Application : | WB |
| Reactivity : | Human |
| Gene : | ALK |
| Gene ID : | 238 |
| Uniprot ID : | Q9UM73 |
| Alternative Name : | 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 fragment (around aa 220-335) of human ALK protein (exact sequence is proprietary) |

Description

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

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

Western Blot (1-2ug/ml);

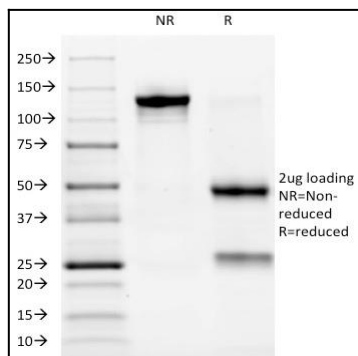


Fig. 1: SDS-PAGE Analysis Purified ALK Mouse Monoclonal Antibody (ALK/1032). Confirmation of Purity and Integrity of Antibody.

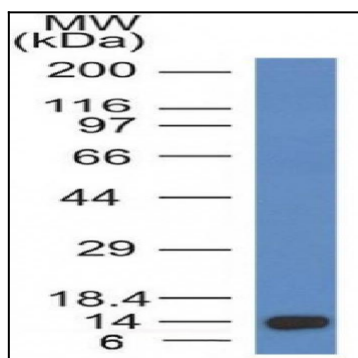


Fig. 2: Western Blot Analysis of recombinant fragment of ALK using ALK Mouse Monoclonal Antibody (ALK/1032).