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# 36-2330: Anti-ALK (Anaplastic Lymphoma Kinase) / CD246 Monoclonal Antibody(Clone: ALK/3218R)

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | ALK/3218R |
| **Application :** | IHC |
| **Reactivity :** | Human |
| **Gene :** | ALK |
| **Gene ID :** | 238 |
| **Uniprot ID :** | Q9UM73 |
| **Alternative Name :** | ALK/NPM1 fusion gene, Anaplastic lymphoma kinase Ki1, Anaplastic Lymphoma Kinase p80, anaplastic lymphoma receptor tyrosine kinase, mutant anaplastic lymphoma kinase, NBLST3, Tcrz, TFG/ALK |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | Recombinant human ALK protein fragment (aa200-335) |

## 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

Immunohistochemistry (Formalin-fixed) (0.5-1ÃÂµg/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

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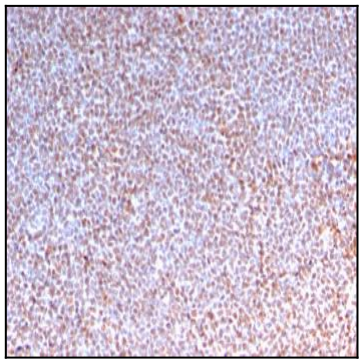

Fig. 1: Formalin-fixed, paraffin-embedded human Anaplastic LC Lymphoma stained with ALK-1 Recombinant Rabbit Monoclonal Antibody (ALK/3218R).

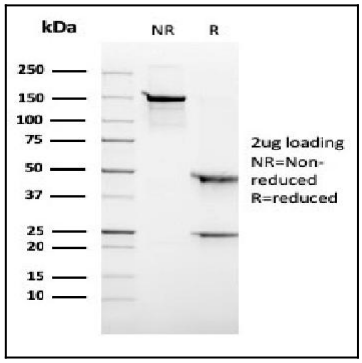


Fig. 2: SDS-PAGE Analysis Purified ALK-1 Recombinant Rabbit Monoclonal Antibody (ALK/3218R). Confirmation of Purity and Integrity of Antibody.