

## 36-2328: Anti-ALK (Anaplastic Lymphoma Kinase) / CD246 Monoclonal Antibody(Clone: ALK/1504)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ALK/1504
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	ALK
<b>Gene ID :</b>	238
<b>Uniprot ID :</b>	Q9UM73
<b>Alternative Name :</b>	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
<b>Isotype :</b>	Mouse IgG2b, kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)

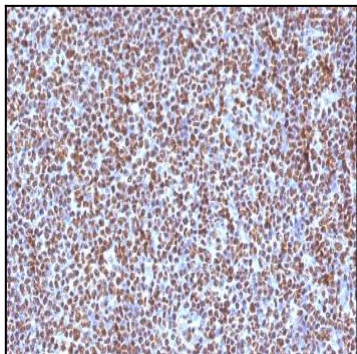


Fig. 1: Formalin-fixed, paraffin-embedded human Anaplastic LC Lymphoma stained with ALK-1 Mouse Monoclonal Antibody (ALK/1504).

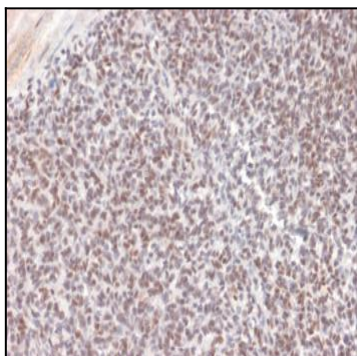


Fig. 2: Formalin-fixed, paraffin-embedded human Ewing Sarcoma stained with ALK-1 Mouse Monoclonal Antibody (ALK/1504).

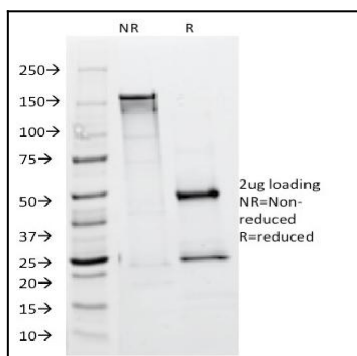


Fig. 3: SDS-PAGE Analysis Purified ALK Mouse Monoclonal Antibody (ALK/1504). Confirmation of Integrity and Purity of antibody.