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36-2329: Anti-ALK (Anaplastic Lymphoma Kinase) / CD246 Monoclonal Antibody(Clone: ALK1/2766R)

Clonality :	Monoclonal
Clone Name :	ALK1/2766R
Application :	IHC
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
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant full-length human ALK protein

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

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) (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)

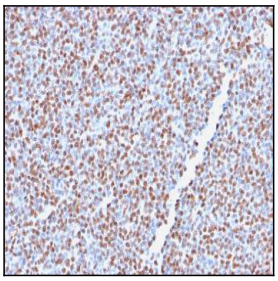

Fig. 1: Formalin-fixed, paraffin-embedded human Anaplastic LC Lymphoma stained with ALK-1 Recombinant Rabbit Monoclonal Antibody (ALK1/2766R).

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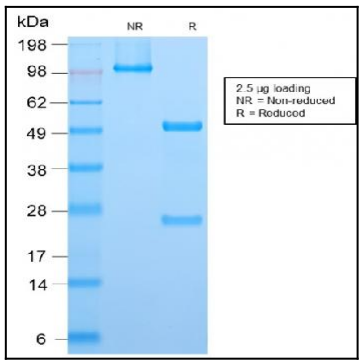

Fig. 2: SDS-PAGE Analysis Purified ALK Recombinant Rabbit Monoclonal Antibody (ALK1/2766R). Confirmation of Purity and Integrity of Antibody.