

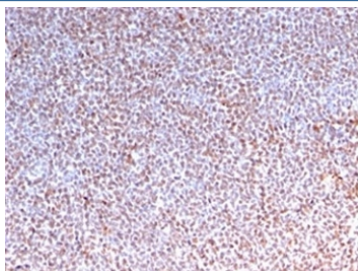
Recombinant Anaplastic Lymphoma Kinase Antibody / ALK [clone rALK1/1504] (V8896)

Catalog No.	Formulation	Size
V8896-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8896-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8896SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

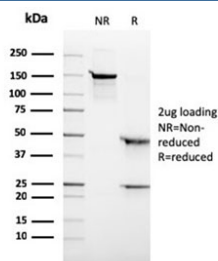
Recombinant MOUSE MONOCLONAL

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rALK1/1504
Purity	Protein A/G affinity
UniProt	Q9UM73
Localization	Cytoplasm, Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant Anaplastic Lymphoma Kinase antibody is available for research use only.



IHC staining of FFPE human anaplastic large cell lymphoma tissue with recombinant Anaplastic Lymphoma Kinase antibody (clone rALK1/1504). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Anaplastic Lymphoma Kinase antibody (rALK1/1504) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the recombinant Anaplastic Lymphoma Kinase antibody should be determined by the researcher.

Immunogen

A portion of amino acids 200-335 was used as the immunogen for the recombinant Anaplastic Lymphoma Kinase antibody.

Storage

Aliquot the recombinant Anaplastic Lymphoma Kinase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.