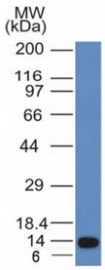
ALK Antibody / Anaplastic Lymphoma Kinase [clone ALK/1031] (V8780)

Catalog No.	Formulation	Size
V8780-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8780-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8780SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	ALK/1031
Purity	Protein A/G affinity
UniProt	Q9UM73
Localization	Cytoplasmic, Nuclear
Applications	Western Blot : 1-2ug/ml
Limitations	This Anaplastic Lymphoma Kinase antibody is available for research use only.



Western blot analysis of a recombinant protein fragment of ALK using Anaplastic Lymphoma Kinase antibody (clone ALK/1031).

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 Anaplastic Lymphoma Kinase antibody should be determined by the researcher.

Immunogen

A portion of amino acids 400-500 was used as the immunogen for the Anaplastic Lymphoma Kinase antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com