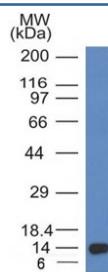


## ALK Antibody / Anaplastic Lymphoma Kinase [clone ALK/1032] (V8812)

Catalog No.	Formulation	Size
V8812-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8812-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8812SAF-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
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	ALK/1032
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 testing of a recombinant ALK partial protein using Anaplastic Lymphoma Kinase antibody (clone ALK/1032).

### 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 220-335 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.