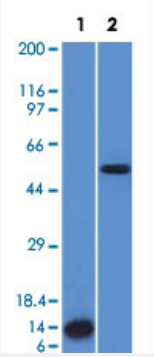
# ALK monoclonal antibody, clone ALK/1503

Catalog # MAB14792 Size 100 ug

## Applications




### Western Blot

Western Blot analysis of Lane 1: recombinant protein and Lane 2: HepG2 cell lysate with ALK monoclonal antibody, clone ALK/1503 (Cat # MAB14792).

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against partial recombinant human ALK. |
| **Immunogen** | Recombinant protein corresponding to amino acids 1360-1460 of human ALK. |
| **Host** | Mouse |
| **Theoretical MW (kDa)** | 80, 200 |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein A/G purification |
| **Isotype** | IgG1, kappa |
| **Recommend Usage** | Flow Cytometry (0.5-1 ug/$10^6$ cells)<br>Immunofluorescence (0.5-1 ug/mL)<br>Western Blotting (0.5-1 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 10 mM PBS. |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Storage Instruction** | Store at -20 to -80°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunofluorescence
- Flow Cytometry
- Western Blot

  Western Blot analysis of Lane 1: recombinant protein and Lane 2: HepG2 cell lysate with ALK monoclonal antibody, clone ALK/1503 (Cat # MAB14792).

## Gene Info — ALK

| | |
|---|---|
| **Entrez GeneID** | 238 |
| **Protein Accession#** | Q9UM73 |
| **Gene Name** | ALK |
| **Gene Alias** | CD246, Ki-1, TFG/ALK |
| **Gene Description** | anaplastic lymphoma receptor tyrosine kinase |
| **Omim ID** | 105590 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The 2;5 chromosomal translocation is frequently associated with anaplastic large cell lymphomas (ALCLs). The translocation creates a fusion gene consisting of the ALK (anaplastic lymphoma kin ase) gene and the nucleophosmin (NPM) gene: the 3' half of ALK, derived from chromosome 2, is fused to the 5' portion of NPM from chromosome 5. A recent study shows that the product of the N PM-ALK fusion gene is oncogenic. The deduced amino acid sequences reveal that ALK is a nov el receptor protein-tyrosine kinase having a putative transmembrane domain and an extracellular domain. These sequences are absent in the product of the transforming NPM-ALK gene. ALK sh ows the greatest sequence similarity to LTK (leukocyte tyrosine kinase). ALK plays an important r ole in the development of the brain and exerts its effects on specific neurons in the nervous syste m. [provided by RefSeq |
| **Other Designations** | ALK tyrosine kinase receptor\|CD246 antigen\|anaplastic lymphoma kinase (Ki-1)\|anaplastic lymph oma kinase Ki-1 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

## Publication Reference

- Detection of anaplastic lymphoma kinase (ALK) and nucleolar protein nucleophosmin (NPM)-ALK proteins in normal and neoplastic cells with the monoclonal antibody ALK1.

  Pulford K, Lamant L, Morris SW, Butler LH, Wood KM, Stroud D, Delsol G, Mason DY.

  Blood 1997 Feb; 89(4):1394.

  Application: IHC-P, Human, Anaplastic large-cell lymphoma

## Disease

- Adenocarcinoma
- Carcinoma
- Genetic Predisposition to Disease
- Kidney Failure
- Lung Neoplasms
- Multiple Sclerosis
- Schizophrenia
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.