

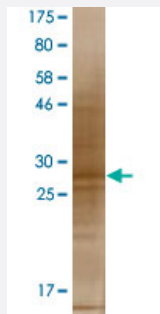
HuPro®

ALK (Human) Recombinant Protein

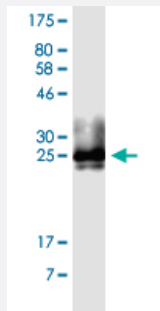
Catalog # H00000238-H01

Size 25 ug

Applications



SDS-PAGE Gel



Western Blot

Specification

Product Description

Purified ALK (AAI56208.1 400 a.a. - 550 a.a.) human recombinant protein with His-Flag-StrepII tag at N-terminus expressed in human cells.

Transfected Cell Line

Human HEK293H cells

Sequence

FRVALEYISSGNRSLSAVDFFALKNCSEGTSPGSKMALQSSFTCWNGTVLQLGQACDFHQDCA
QGEDESQMCRKLPVGFYCNFEDGFCGWTQGTLSPHTPQWQVRTLKDARFQDHQDHALLSTT
DVPASESATVTSATFPAPIKSSPCEL

Host

Human

Theoretical MW (kDa)

19.69

Interspecies Antigen Sequence

Mouse (87); Rat (87)

Form

Liquid

Preparation MethodTransfection of pSuper-ALK plasmid into HEK293H cell, and the expressed protein was purified by *Strep*-Tactin affinity column.**Purification***Strep*-Tactin affinity columns**Concentration**

≥ 10 ug/ml

Quality Control TestingSDS-PAGE and Western Blot
SDS-PAGE Gel
Western Blot**Storage Buffer**

100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

Gene Info — ALK

Entrez GeneID[238](#)**GeneBank Accession#**[BC156207.1](#)**Protein Accession#**[AAI56208.1](#)**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 kinase) 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 NPM-ALK fusion gene is oncogenic. The deduced amino acid sequences reveal that ALK is a novel 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 shows the greatest sequence similarity to LTK (leukocyte tyrosine kinase). ALK plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. [provided by RefSeq]

Other Designations

ALK tyrosine kinase receptor|CD246 antigen|anaplastic lymphoma kinase (Ki-1)|anaplastic lymphoma kinase Ki-1

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)