

# ALK Rabbit mAb

Catalog No.: A28564    Recombinant

## Basic Information

### Observed MW

80 kDa(NPM-ALK)/117 kDa(EML4-ALK v1)/220 kDa(ALK)

### Calculated MW

176 kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human

### Clone/No. number

ARC77750

## Background

This gene encodes a receptor tyrosine kinase, which belongs to the insulin receptor superfamily. This protein comprises an extracellular domain, an hydrophobic stretch corresponding to a single pass transmembrane region, and an intracellular kinase domain. It plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. This gene has been found to be rearranged, mutated, or amplified in a series of tumours including anaplastic large cell lymphomas, neuroblastoma, and non-small cell lung cancer. The chromosomal rearrangements are the most common genetic alterations in this gene, which result in creation of multiple fusion genes in tumourigenesis, including ALK (chromosome 2)/EML4 (chromosome 2), ALK/RANBP2 (chromosome 2), ALK/ATIC (chromosome 2), ALK/TFG (chromosome 3), ALK/NPM1 (chromosome 5), ALK/SQSTM1 (chromosome 5), ALK/KIF5B (chromosome 10), ALK/CLTC (chromosome 17), ALK/TPM4 (chromosome 19), and ALK/MSN (chromosome X).

## Recommended Dilutions

**WB**                    1:2000 - 1:5000

**IHC-P**                1:1000 - 1:4000

**ELISA**                Recommended starting concentration is 1  $\mu$ g/mL.  
 Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ( $\geq 1:10000$ ) a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID

238

### Swiss Prot

Q9UM73

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

ALK1; CD246; NBLST3

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

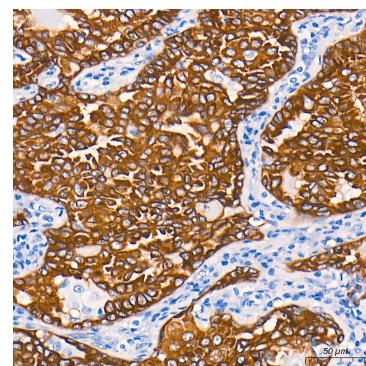
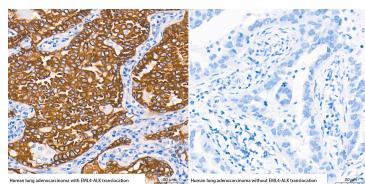
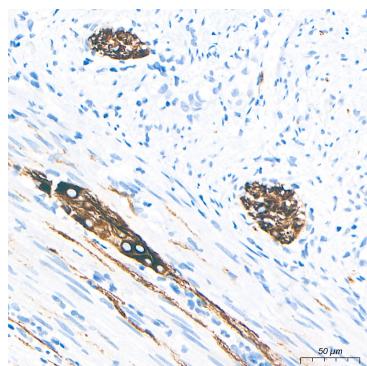
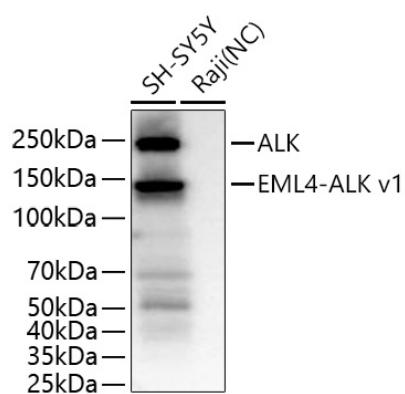
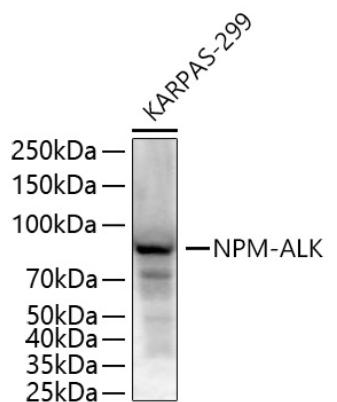
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Contact

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## Validation Data



Immunohistochemistry analysis of paraffin-embedded Human appendix tissue using ALK Rabbit mAb (A28564) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma with EML4-ALK translocation and Human lung adenocarcinoma without EML4-ALK translocation tissue using ALK Rabbit mAb (A28564) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma with EML4-ALK translocation tissue using ALK Rabbit mAb (A28564) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.