

A0766

Leader in Biomolecular Solutions for Life Science



ALK Rabbit pAb

Catalog No.: A0766

2 Publications

Basic Information

Observed MW

140kDa/220kDa

Calculated MW

176kDa

Category

Polyclonal Antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse

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	1:500 - 1:1000
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

238

Swiss Prot

Q9UM73

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1521-1620 of human ALK (NP_004295.2).

Synonyms

ALK1; CD246; NBLST3; ALK

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

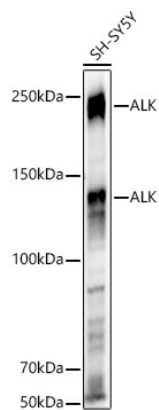
Affinity purification

Storage

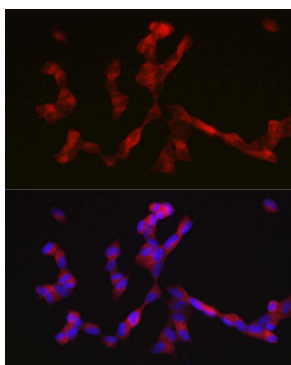
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

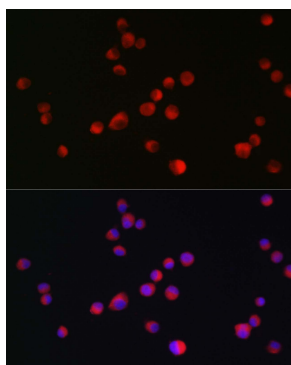
Validation Data



Western blot analysis of lysates from SH-SY5Y, using ALK Rabbit pAb (A0766) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunofluorescence analysis of SH-SY5Y cells using ALK Rabbit pAb (A0766) at dilution of 1:200. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Neuro-2a cells using ALK Rabbit pAb (A0766) at dilution of 1:200. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.