

Datasheet for ABIN7529465
anti-ALK antibody (AA 19-300)



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3 Images

Overview

Quantity:	20 µL
Target:	ALK
Binding Specificity:	AA 19-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	ALK Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 19-300 of human ALK (NP_004295.2).
Sequence:	VGSGMGTGQR AGSPAAGPPL QPREPLSYSR LQRKSLAVDF VVPSLFRVYA RDLLLPPSSS ELKAGRPEAR GSLALDCAPL LRLGAPAGV SWTAGSPAPA EARTLSRVLK GGSVRKLRRR KQLVLELGEE AILEGCVGPP GEAAVGLLQF NLSELSWWI RQGEGR LRIR LMPEKKASEV GREGRLSAAI RASQPRLLFQ IFGTGHSSLE SPTNMPSPPSP DYFTWNLTWI MKDSFPFLSH RSRYGLECSF DFPCELEYSP PLHDLRNQSW SWRRIPSEEA SQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: ALK

Alternative Name: ALK ([ALK Products](#))

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).,ALK,CD246,NBLST3,Cancer,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology & Developmental Biology,Growth factor,Immunology & Inflammation,CD markers,Neuroscience,Cell Type Marker,Neuron marker,ALK

Molecular Weight: 176kDa

Gene ID: 238

UniProt: [Q9UM73](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: WB,1:500 - 1:1000,IHC,1:50 - 1:100,IF,1:50 - 1:100

Restrictions: For Research Use only

Handling

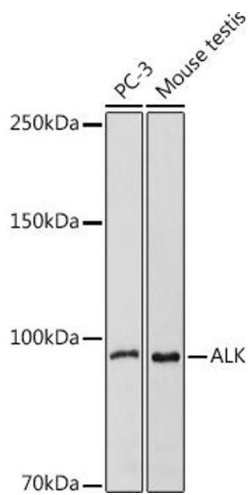
Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

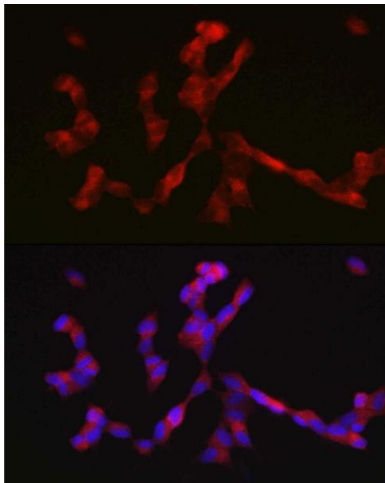
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



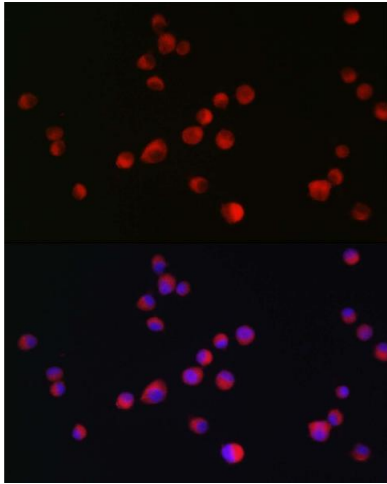
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ALK antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunofluorescence

Image 2. Immunofluorescence analysis of SH-SY5Y cells using ALK antibody at dilution of 1:200. Blue: DAPI for nuclear staining.



Immunofluorescence

Image 3. Immunofluorescence analysis of Neuro-2a cells using ALK antibody at dilution of 1:200. Blue: DAPI for nuclear staining.