AP0503

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Phospho-ALK-Y1096 Rabbit pAb

Catalog No.: AP0503

Basic Information

Observed MW
168kDa

Calculated MW
176kDa

Category
Polyclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Human

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 - 1:2000

Immunogen Information

Gene ID
238

Swiss Prot
Q9UM73

Immunogen
A synthetic phosphorylated peptide around Y1096 of human ALK (NP_004295.2).

Synonyms
ALK1; CD246; NBLST3; Phospho-ALK-Y1096

Contact

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Product Information

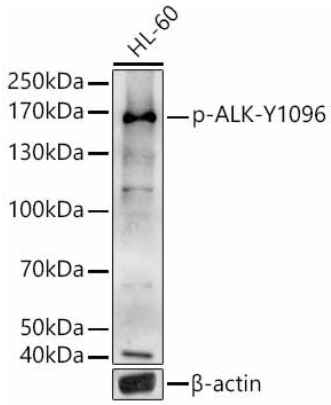
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from HL-60 and HL-60 cells, using Phospho-ALK-Y1096 Rabbit pAb (AP0503) at 1:1000 dilution. HL-60 cells were treated by 10% FBS after serum-starvation overnight. HL-60 cells were treated by UV for 15-30 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.