

ALK/p80 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2191
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human ALK/p80 (AA: 1359-1460) expressed in E. Coli.
Mol wt	176.4kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	CD246;NBLST3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 tumorigenesis, 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 Dilution

WB: 1:500 - 1:2000

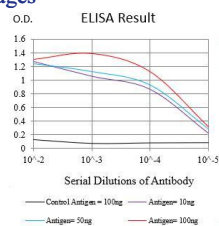
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

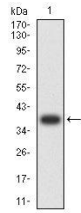
ELISA: 1:10000

Not yet tested in other applications.

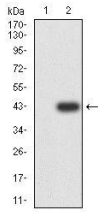
Images



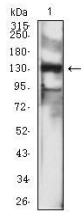
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



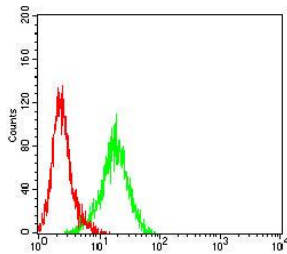
Western blot analysis using ALK/p80 mAb against human ALK/p80 (AA: 1359-1460) recombinant protein. (Expected MW is 37.3 kDa)



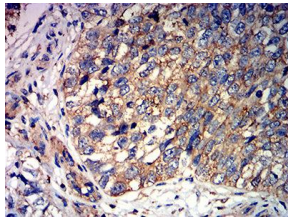
Western blot analysis using ALK/p80 mAb against HEK293-6e (1) and ALK/p80 (AA: 1359-1460)-hIgGFc transfected HEK293-6e (2) cell lysate.



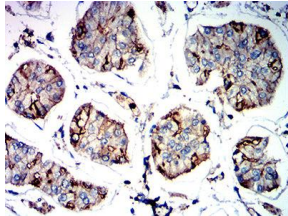
Western blot analysis using ALK/p80 mouse mAb against SK-N-SH (1) cell lysate.



Flow cytometric analysis of cells using ALK p80 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using ALK/p80 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded stomach tissues using ALK/p80 mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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