For Research Use Only

ALK Monoclonal antibody

Catalog Number:60321-1-Ig 4 Publications

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Basic Information

Catalog Number:
60321-1-Ig

Concentration:
2000 μg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG21493

GenBank Accession Number:
NM_004304

GeneID (NCBI):
238

UNIPROT ID:
Q9UM73

Full Name:
anaplastic lymphoma receptor tyrosine kinase

Calculated MW:
1620 aa, 176 kDa

Purification Method:
Protein A purification

CloneNo.:
7G9E3

Recommended Dilutions:
IHC 1:200-1:800

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human lymphoma tissue,

Background Information

ALK, also named as CD246, is a receptor tyrosine kinase (RTK) that belongs to the protein kinase superfamily. ALK is usually found in the nervous system and appears to play an important role in the normal development and function of the nervous system. ALK was originally identified as part of the NPM (Nucleophosmin)-ALK oncogenic fusion protein, resulting from the (2;5)(p23;q35) translocation that is frequently associated with anaplastic large-cell lymphoma (ALCL). The EML4 (echinoderm microtubule-associated protein-like 4)-ALK fusion protein have been described in non-small-cell lung cancer (NSCLC), this transforming fusion kinase is a promising candidate for a therapeutic target as well as for a diagnostic molecular marker in NSCLC (PMID: 17625570).

Notable Publications

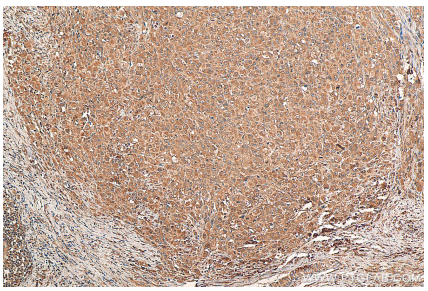
Author	Pubmed ID	Journal	Application
D Kong	25997961	Neoplasma	WB
Tao Pan	34237620	Eur J Med Chem	WB
Jiadong Pang	40112899	J Control Release	WB

Storage

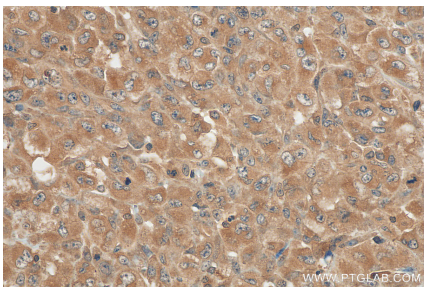
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human anaplastic large cell lymphoma (ALCL) tissue slide using 60321-1-Ig (ALK antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human anaplastic large cell lymphoma (ALCL) tissue slide using 60321-1-Ig (ALK/CD246 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).