

For Research Use Only

ALK Polyclonal antibody

Catalog Number: 24184-1-AP **1 Publications**



Basic Information

Catalog Number: 24184-1-AP	GenBank Accession Number: NM_004304	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 238	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q9UM73	
Isotype: IgG	Full Name: anaplastic lymphoma receptor tyrosine kinase	
Immunogen Catalog Number: AG21493	Calculated MW: 1620 aa, 176 kDa	
	Observed MW: 180 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Jurkat cells, MCF-7 cells, U-87 MG cells
Cited Applications: WB	IHC : human lymphoma tissue, human brain tissue
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

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
Mai-Qing Yang	32020224	Oncol Rep	WB

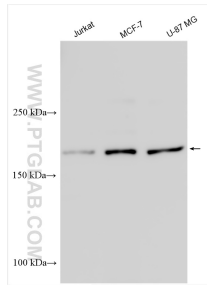
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

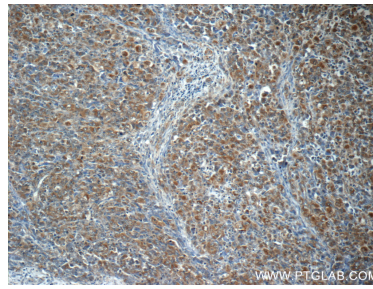
For technical support and original validation data for this product please contact:
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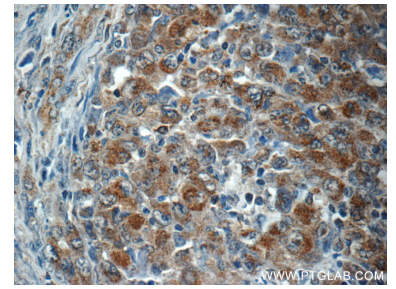
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24184-1-AP (ALK antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 24184-1-AP (ALK Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 24184-1-AP (ALK Antibody) at dilution of 1:50 (under 40x lens).