

# ALK Monoclonal antibody

Catalog Number: 60321-1-Ig **3 Publications**

## Basic Information

<b>Catalog Number:</b> 60321-1-Ig	<b>GenBank Accession Number:</b> NM_004304	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 2000 µg/ml	<b>GeneID (NCBI):</b> 238	<b>CloneNo.:</b> 7G9E3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UM73	<b>Recommended Dilutions:</b> IHC 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Full Name:</b> anaplastic lymphoma receptor tyrosine kinase	
<b>Immunogen Catalog Number:</b> AG21493	<b>Calculated MW:</b> 1620 aa, 176 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human lymphoma tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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).

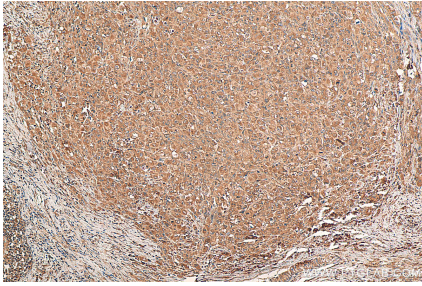
## Notable Publications

Author	Pubmed ID	Journal	Application
D Kong	25997961	Neoplasma	WB
Tao Pan	34237620	Eur J Med Chem	WB
Qingwen Huang	37664607	iScience	WB

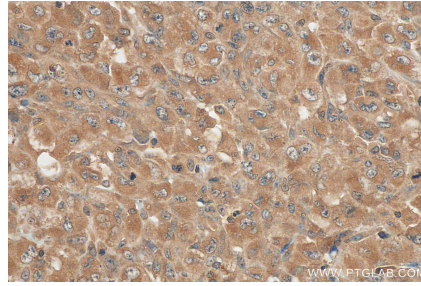
## Storage

**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

## 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).