

ALK Monoclonal antibody, PBS Only

Catalog Number: 60321-1-PBS

Basic Information

Catalog Number:	60321-1-PBS	GenBank Accession Number:	NM_004304	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	238	CloneNo.:	7G9E3
Source:	Mouse	UNIPROT ID:	Q9UM73		
Isotype:	IgG2a	Full Name:	anaplastic lymphoma receptor tyrosine kinase		
Immunogen Catalog Number:	AG21493	Calculated MW:	1620 aa, 176 kDa		

Applications

Tested Applications:
Indirect ELISA, IHC

Species Specificity:
human

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).

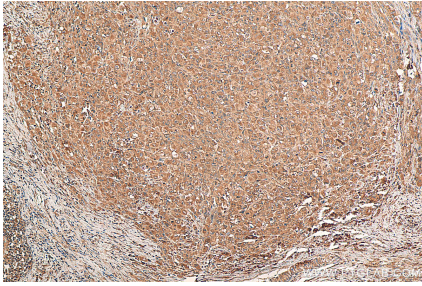
Storage

Storage:
Store at -80°C.

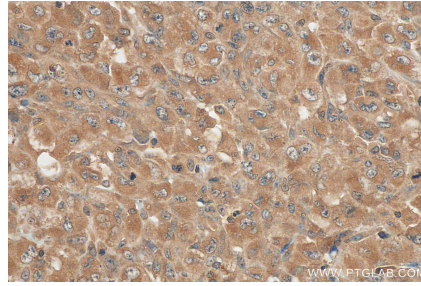
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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). This data was developed using the same antibody clone with 60321-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60321-1-PBS in a different storage buffer formulation.