

For Research Use Only

Phospho-ALK (Tyr1507) Recombinant monoclonal antibody, PBS Only

Catalog Number: 87322-1-PBS



Basic Information

Catalog Number: 87322-1-PBS	GenBank Accession Number: BC157090	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 238	CloneNo.: 252555G9
Source: Rabbit	UNIPROT ID: Q9UM73	
Isotype: IgG	Full Name: anaplastic lymphoma receptor tyrosine kinase	
	Observed MW: 80 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Anaplastic lymphoma kinase was first described in 1994 as the NPM-ALK fusion protein that is expressed in the majority of anaplastic large-cell lymphomas. About 2/3rds of anaplastic large-cell lymphomas possess a balanced chromosomal translocation in which the entire nucleophosmin (NPM) gene on chromosome 5 is fused to the 3' portion of the ALK gene (including the entire intracellular segment with its protein kinase domain) on chromosome 2. This oncogenic ALK protein kinase is a chimeric protein created by a translocation between chromosomes (2;5) (p23;q35) that generates the NPM-ALK fusion protein. NPM-ALK also known as p80, since the chimeric protein weighs 80 kDa. Studies of NPM-ALK have identified pTyr1096 as the binding site for insulin receptor substrate 1 (IRS1); pTyr1507 is the binding site for Shc and pTyr1604 is the binding site for PLC-γ (native human ALK receptor residue numbers are given; subtract 940 to obtain the NPM-ALK residue). (PMID: 23201355, PMID: 33466277)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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