

For Research Use Only

Phospho-ALK (Tyr1507) Recombinant monoclonal antibody

Catalog Number:87322-1-RR



Basic Information

Catalog Number: 87322-1-RR	GenBank Accession Number: BC157090	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 238	CloneNo.: 252555G9
Isotype: IgG	UNIPROT ID: Q9UM73	Recommended Dilutions: WB: 1:2000-1:10000
	Full Name: anaplastic lymphoma receptor tyrosine kinase	
	Observed MW: 80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Karpas-299 cells,
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 nucle-ophosmin (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 -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:

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