

For Research Use Only

Phospho-ALK (Tyr1278) Recombinant monoclonal antibody, PBS Only

Catalog Number: 87874-1-PBS



Basic Information

Catalog Number:

87874-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004304

GeneID (NCBI):

238

UNIPROT ID:

Q9UM73

Full Name:

anaplastic lymphoma receptor tyrosine kinase

Calculated MW:

176 kDa

Observed MW:

80 kDa, 300 kDa

Purification Method:

Protein A purification

CloneNo.:

253445D5

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. Phospho-ALK (Tyr1278) is a hallmark of ALK-driven malignancies. (PMID: 30400214)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

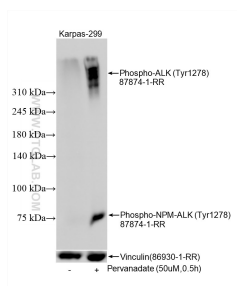
For technical support and original validation data for this product please contact:

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Selected Validation Data



Non-treated and pervanadate treated Karpas-299 cells were subjected to SDS PAGE followed by western blot with 87874-1-RR (Phospho-ALK (Tyr1278) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin (86930-1-RR) antibody as loading control. This data was developed using the same antibody clone with 87874-1-PBS in a different storage buffer formulation.