

# Product Datasheet

## ALK/CD246 Antibody (ALK/1032) [Biotin] NBP3-08772B

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08772B**

ALK/CD246 Antibody (ALK/1032) [Biotin]

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	ALK/1032
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b Kappa
<b>Conjugate</b>	Biotin
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	238
<b>Gene Symbol</b>	ALK
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	The wild-type anaplastic lymphoma kinase (ALK) protein is a 200kDa transmembrane receptor tyrosine kinase. Its expression is restricted to a few scattered cells in the nervous system (some glial cells and neurons, and a few endothelial cells and pericytes. The hybrid gene, NPM-ALK, created by the t(2;5) (p23;q35) chromosomal translocation encodes part of the nucleolar phosphoprotein, nucleophosmin (NPM), joined to the entire cytoplasmic portion of the anaplastic lymphoma kinase (ALK) receptor tyrosine kinase. As a consequence, the ALK gene comes under the control of the NPM promoter, which induces a permanent and ubiquitous transcription of the NPM-ALK hybrid gene, resulting in the production of a 80kDa NPM-ALK chimeric protein. This translocation is found in anaplastic large cell lymphomas (ALCL). Reportedly, expression of ALK indicates a better prognosis. Approximately 5%-10% of non-small cell lung carcinomas also express ALK protein producing a cytoplasmic staining pattern. This monoclonal antibody also reacts with blood vessels that serves as an internal positive control.
<b>Immunogen</b>	Recombinant fragment (around aa 220-335) of human ALK/CD246 protein (exact sequence is proprietary) (Uniprot: Q9UM73)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP3-08772B**

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NBP1-43317B	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Biotin]
NBP2-48518PEP	ALK/CD246 Recombinant Protein Antigen
DPI00	SLPI [HRP]
4210-CD-100	ALK/CD246 [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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