ALK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Alk, Polyclonal Antibody
Full Product Name	Alk (ALK Tyrosine Kinase Receptor, Anaplastic lymphoma Kinase, CD246, Alk) (Biotin)
Product Gene Name	anti-Alk antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes mouse Alk. Species Crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	174,948 Da
3D Structure	ModBase 3D Structure for P97793
Immunogen	KLH conjugated synthetic peptide corresponding to aa1517-1550 Mouse Alk.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-Alk antibody	Antibodies; Enzymes; Phosphatase
Applications Tested/Suitable for anti-Alk antibody	Western Blot (WB)
Application Notes for anti-Alk antibody	WB: 1:2000 Applications are based on unconjugated antibody.
Related Product Information for anti-Alk antibody	MBS6454151 is an antibody targeting Alk. Also known as Alk (ALK Tyrosine Kinase Receptor, Anaplastic lymphoma Kinase, CD246, Alk) (Biotin). Reactive in Mouse. Host: Rabbit.
Product References and Citations for anti-Alk antibody	Iwahara T., et al. Oncogene 14:439-449(1997). Church D.M., et al. PLoS Biol. 7:E1000112-E1000112(2009). Motegi A., et al. J. Cell Sci. 117:3319-3329(2004). Vernersson E., et al. Gene Expr. Patterns 6:448-461(2006). Kuo A.H., et al. Oncogene 26:859-869(2007).
Other Notes	Small volumes of anti-Alk antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Alk. It may not necessarily be applicable to this product.

NCBI GI #	110347475

NCBI GeneID	11682
NCBI Accession #	NP_031465.2
UniProt Primary Accession #	P97793
UniProt Secondary Accession #	E9QKV3
UniProt Related Accession #	P97793
GenBank Nucleotide #	NM_007439.2
NCBI Official Full Name	ALK tyrosine kinase receptor
NCBI Official Synonym Full Names	anaplastic lymphoma kinase
NCBI Official Symbol	Alk
NCBI Official Synonym Symbols	Tcrz; CD246
UniProt Protein Name	ALK tyrosine kinase receptor
UniProt Synonym Protein Names	Anaplastic lymphoma kinase; CD_antigen: CD246
Protein Family	ALK tyrosine kinase receptor
UniProt Gene Name	Alk
UniProt Entry Name	ALK_MOUSE
NCBI Protein Information	ALK tyrosine kinase receptor
UniProt Comments for Alk	ALK: a tyrosine kinase of the ALK family. Plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. Translocated and expressed as a fusion protein in anaplastic lymphoma. About one third of large-cell lymphomas are caused by a t(2;5)(p23;q35) translocation that fuses ALK to nucleophosmin (NPM1A). Other cases caused by fusions of ALK to moesin, non-muscle myosin heavy chain 9, clathrin heavy chain and other genes. Several fusions also seen in inflammatory myofibroblastic tumors, and expression has been briefly noted in a range of tumors Protein type: Protein kinase, TK; Protein kinase, tyrosine (receptor); Membrane protein, integral; Kinase, protein; Oncoprotein; EC 2.7.10.1; TK group; Alk family Cellular Component: axon; integral to membrane; integral to plasma membrane; membrane; plasma membrane; protein complex Molecular Function: ATP binding; identical protein binding; kinase activity; nucleotide binding; protein binding; protein kinase activity; protein-tyrosine kinase activity; transferase activity; transmembrane receptor protein tyrosine kinase activity Biological Process: activation of MAPK activity; nervous system development; neuron development; peptidyl-tyrosine phosphorylation; phosphorylation; protein amino acid autophosphorylation; protein amino acid phosphorylation; signal transduction; transmembrane receptor protein tyrosine kinase signaling pathway
Research Articles on Alk	**1.** Ethanol activates ALK (and MDK) signaling in the brain which regulates behaviors related to alcohol abuse.
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