Datasheet for ABIN6654202

anti-ALK antibody (AA 200-335)

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Overview

Quantity:	100 µg
Target:	ALK
Binding Specificity:	AA 200-335
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ALK antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A portion of amino acids 200-335 from the human protein was used as the immunogen for this ALK antibody.
Clone:	ALK-1504
Isotype:	IgG2b kappa
Purification:	Purified
Purity:	Protein G affinity

Target Details

Target:	ALK
Alternative Name:	ALK / Anaplastic Lymphoma Kinase (ALK Products)

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Target Details

Background:	The wild-type anaplastic lymphoma kinase (ALK) protein is a 200 kDa 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 80 kDa 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 MAb also reacts with blood vessels that serves as an internal positive control.
Pathways:	RTK Signaling

Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the ALK antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (FFPE): 1-2 µg/mL for 30 min at RT
Restrictions:	For Research Use only

Handling

Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the recombinant ALK antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).