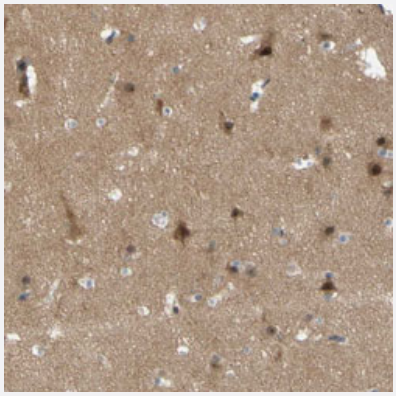
# ALK polyclonal antibody

Catalog # PAB30435 Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with ALK polyclonal antibody (Cat # PAB30435) shows strong cytoplasmic and nuclear positivity in neuronal cells at 1:20-1:50 dilution.

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against partial recombinant human ALK. |
| **Immunogen** | Recombinant protein corresponding to human ALK. |
| **Sequence** | IFGTGHSSLESPTNMPSPSPDYFTWNLTWIMKDSFPFLSHRSRYGLECSFDFPCELEYSPPLHDL RNQSWSWRRIPSEEASQMDLLDGPGAERSKEMPRGSFLLLNTSADSKHTILS |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide). |

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|---|---|
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

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## Gene Info — ALK

| | |
|---|---|
| **Entrez GeneID** | 238 |
| **Protein Accession#** | Q9UM73 |
| **Gene Name** | ALK |
| **Gene Alias** | CD246, Ki-1, TFG/ALK |
| **Gene Description** | anaplastic lymphoma receptor tyrosine kinase |
| **Omim ID** | 105590 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The 2;5 chromosomal translocation is frequently associated with anaplastic large cell lymphomas (ALCLs). The translocation creates a fusion gene consisting of the ALK (anaplastic lymphoma kin ase) gene and the nucleophosmin (NPM) gene: the 3' half of ALK, derived from chromosome 2, is fused to the 5' portion of NPM from chromosome 5. A recent study shows that the product of the N PM-ALK fusion gene is oncogenic. The deduced amino acid sequences reveal that ALK is a nov el receptor protein-tyrosine kinase having a putative transmembrane domain and an extracellular domain. These sequences are absent in the product of the transforming NPM-ALK gene. ALK sh ows the greatest sequence similarity to LTK (leukocyte tyrosine kinase). ALK plays an important r ole in the development of the brain and exerts its effects on specific neurons in the nervous syste m. [provided by RefSeq |
| **Other Designations** | ALK tyrosine kinase receptor\|CD246 antigen\|anaplastic lymphoma kinase (Ki-1)\|anaplastic lymph oma kinase Ki-1 |

## Disease

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- Adenocarcinoma
- Carcinoma
- Genetic Predisposition to Disease
- Kidney Failure
- Lung Neoplasms
- Multiple Sclerosis
- Schizophrenia
- Tobacco Use Disorder

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