

## Recombinant ALK (Anaplastic Lymphoma Kinase) / CD246 Antibody

Rabbit Monoclonal Antibody [Clone ALK1/7008R]

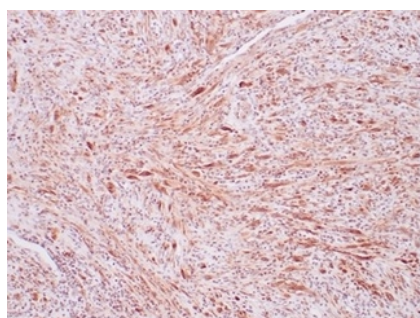
Catalog No	Format	Size
238-RBM10-P0	Purified Ab with BSA and Azide	200ug/ml
238-RBM10-P1	Purified Ab with BSA and Azide	200ug/ml
238-RBM10-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

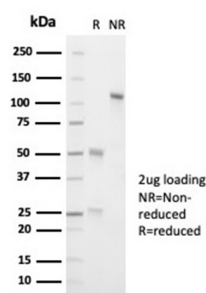
Product Details	
Clone	ALK1/7008R
Gene Name	ALK
Immunogen	Recombinant human ALK protein fragment corresponding to the cytoplasmic domain
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	80kDa (hybrid); 200kDa (wild type)
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	Human Anaplastic Large Cell Lymphoma (ALCL) tissue.

*\*Optimal dilution for a specific application should be determined.*

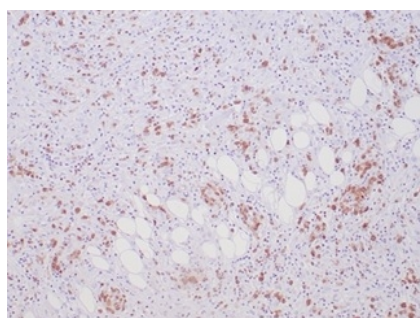
### Product Images for Recombinant ALK (Anaplastic Lymphoma Kinase) / CD246 Antibody



Formalin-fixed, paraffin-embedded human inflammatory myofibroblastic tumor (IMT) with ALK fusion stained with ALK1/7008R.



SDS-PAGE Analysis of Purified ALK1 Recombinant Rabbit Monoclonal Antibody (ALK1/7008R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Anaplastic Large Cell Lymphoma stained with ALK1 Recombinant Rabbit Monoclonal Antibody (ALK1/7008R).

### Specificity & Comments

Anaplastic lymphoma kinase (ALK) is a receptor tyrosine kinase of the insulin receptor superfamily. ALK is typically expressed at low levels in regions of the developing central and peripheral nervous system. ALK may be activated in cancer through multiple mechanisms. The most common mechanism is through formation of a fusion protein from chromosomal translocations, as in the case of anaplastic large cell lymphoma (ALCL) and inflammatory myofibroblastic tumors. ALK may also be amplified through mutation, as in neuroblastomas. Various solid tumors, such as non-small cell lung carcinoma (NSCLC) and brain cancers were also found to aberrantly express ALK. ALK staining is present within both the nucleus and cytoplasm, and are positive in about 60% of ALCL. ALK protein expression by tumor cells is an independent prognostic factor that predicts a favorable outcome.

### Research Areas

AKT Signaling, Infectious Disease, Signal Transduction

### Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.