

ALK Polyclonal Antibody

Catalog NumberPA5-14564

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 636-666 amino acids from the central region of human ALK	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	2 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

The 2;5 chromosomal translocation is frequently associated with anaplastic large cell lymphomas. The translocation creates a fusion gene consisting of the ALK gene and the nucleophosmin 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 NPM-ALK fusion gene is oncogenic. The deduced amino acid sequences reveal that ALK is a novel 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 shows the greatest sequence similarity to LTK. ALK plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system.

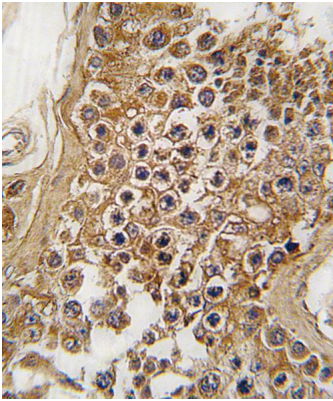
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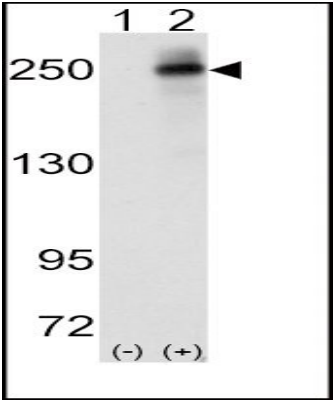
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Product Images For ALK Polyclonal Antibody



ALK Antibody (PA5-14564) in IHC

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human testis tissue using an ALK polyclonal antibody (Product # PA5-14564), followed by HRP-conjugated secondary antibody and DAB staining.



ALK Antibody (PA5-14564) in WB

Western blot analysis of ALK (Center) (arrow) using an ALK polyclonal antibody (Product # PA5-14564) in 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the ALK (Center) gene (Lane 2).

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