

Product datasheet for **AP55750PU-N**

ALK pTyr1096 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on paraffin sections: 1:50~1:100.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 1096 (P-N-Y(p)-C-F) derived from Human ALK (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of ALK only when phosphorylated at tyrosine 1096.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	167 kDa
Gene Name:	anaplastic lymphoma receptor tyrosine kinase
Database Link:	Entrez Gene 238 Human Q9UM73



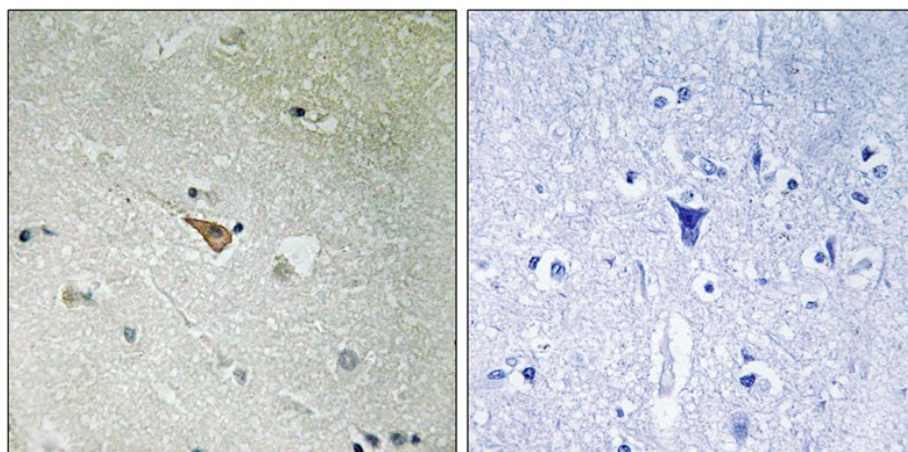
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Background:

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 kinase) 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 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.

Synonyms:

ALK tyrosine kinase receptor

Product images:

Immunohistochemical analysis of paraffin-embedded human brain tissue, using ALK (Phospho-Tyr1096) antibody (left) or the same antibody preincubated with blocking peptide (right).