

Product datasheet for **TA322771S**

ALK Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human cervical cancer Predicted cell location: Cell membrane, Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 650-664 amino acids of Human ALK tyrosine kinase receptor
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	anaplastic lymphoma receptor tyrosine kinase
Database Link:	NP_004295 Entrez Gene 11682 Mouse Entrez Gene 238 Human Q9UM73



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Background:

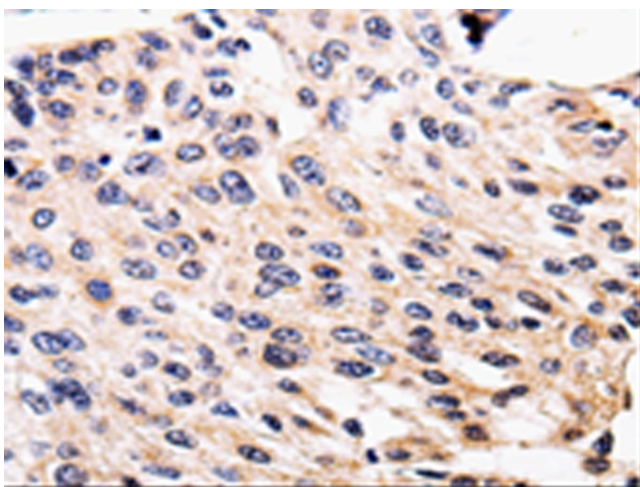
This gene encodes a receptor tyrosine kinase; which belongs to the insulin receptor superfamily. This protein comprises an extracellular domain; an hydrophobic stretch corresponding to a single pass transmembrane region; and an intracellular kinase domain. It plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. This gene has been found to be rearranged; mutated; or amplified in a series of tumours including anaplastic large cell lymphomas; neuroblastoma; and non-small cell lung cancer. The chromosomal rearrangements are the most common genetic alterations in this gene; which result in creation of multiple fusion genes in tumourigenesis; including ALK (chromosome 2)/EML4 (chromosome 2); ALK/RANBP2 (chromosome 2); ALK/ATIC (chromosome 2); ALK/TFG (chromosome 3); ALK/NPM1 (chromosome 5); ALK/SQSTM1 (chromosome 5); ALK/KIF5B (chromosome 10); ALK/CLTC (chromosome 17); ALK/TPM4 (chromosome 19); and ALK/MSN (chromosome X).

Synonyms:

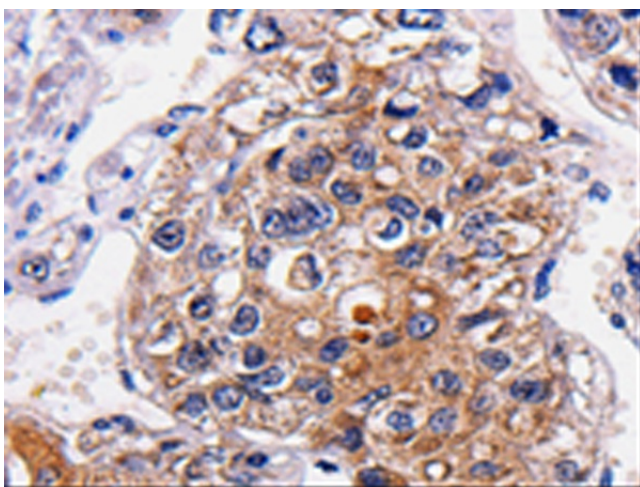
CD246; NBLST3

Protein Families:

Druggable Genome, Protein Kinase

Product images:

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA322771] (ALK Antibody) at dilution 1/25. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA322771] (ALK Antibody) at dilution 1/25. (Original magnification: x200)