

ALK (ZR305) Rabbit monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Human ALK protein fragment around aa 1058-1620
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentration form and 18 months for predilute form.

Specification: ALK (ZR305) Rabbit monoclonal primary antibody detects ALK protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.
Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:50-1:100. Positive Control: sample known to contain ALK protein.

Localization: Cytoplasmic and nuclear

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: Anaplastic lymphoma kinase (ALK) is a receptor tyrosine kinase of the insulin receptor superfamily. ALK-1 is typically expressed at low levels in regions of the developing central and peripheral nervous system. ALK-1 may be activated in cancer through multiple mechanisms. The most common mechanism is through the formation of a fusion protein from chromosomal translocations, as in the case of anaplastic large cell lymphoma (ALCL) and inflammatory myofibroblastic tumors. ALK-1 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-1. ALK-1 staining is present within both the nucleus and cytoplasm and is positive in about 60% of ALCL. ALK-1 protein expression by tumor cells is an independent prognostic factor that predicts a favorable outcome.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. S, van den Borne BE, et al. ClinCancerRes.2017; 23:4251-425.
2. Shi R, et al. J Thorac Oncol. 2016;11:2248-2252.
3. Rooper LM, et al. Hum Pathol. 2016; 51:139-45.

REF Z2534RL-R/ Z2534RS-R/ Z2534RT-R/ Z2534RP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)



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RUO

(research
use only)

LOT

(lot number)

REF

(catalogue
number)



(expiry date)



(temperature
limit)



(consult
Instructions
for Use)