EML4 ALK

Anti-EML4 ALK Antibody

Cat. #: 26242
Gene Symbol: EML4-ALK
Description: Anti-EML4 ALK Mouse Monoclonal Antibody
Background: EML4-ALK is a fusion-type protein kinase that can be found in many tumors, such as anaplastic large cell lymphoma, inflammatory myofibroblastic tumor, neuroblastoma and NSCLC, and so on. It is generated as a result of a small inversion within the short arm of human chromosome 2. EML4-ALK protein often promotes and maintains the malignant behavior of the cancer cells by activating the MAPK, PI3K/AKT and JAK/STAT3 pathways.
Immunogen: A synthetic peptide from the internal region of EML4-ALK of human origin.
Applications: ELISA, WB, IHC
Recommended Dilutions:
ELISA: 1:1000-1:2000
WB: 1:500-1:1000
IHC: 1:50-1:100
Concentration: 1 mg/ml
Host Species: Mouse
Format: Liquid
Clonality: Monoclonal
Isotype:
Purity: Purified from ascites
Preservative: No
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol
Species Reactivity: Recognizes T41A mutant, but not wild type EML4-ALK of vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

Western blot:

Western blot analysis of recombinant EML4-ALK and wild type proteins. Purified His-tagged EML4-ALK protein (lane 3), corresponding wild type EML4 protein (lane1) and wild type ALK protein (lane2) were blotted with Anti-EML4 ALK monoclonal antibody (Cat. #26242).

Immunofluorescence:

Immunofluorescence of cells expressing EML4-ALK proteins with Anti-EML4 ALK antibody. HEK293T cells were transfected with pCDNA3-GFP-EML4 (WT) plasmid (left column) or pCDNA3-GFP-ALK (WT) plasmid (middle column) or pCDNA3-GFP-EML4-ALK plasmid (right column), then fixed and stained with Anti-EML4 ALK monoclonal antibody (Cat. #26242).