

MLK4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8006a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q5TCX8
Other Accession	Q8VDG6
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12543
Calculated MW	113957
Antigen Region	33-62

Additional Information

Gene ID	84451
Other Names	Mitogen-activated protein kinase kinase kinase MLK4, Mixed lineage kinase 4, MLK4 {ECO:0000303 Ref1}
Target/Specificity	This MLK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-62 amino acids from the N-terminal region of human MLK4.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MLK4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAP3K21 (HGNC:29798)
Function	Negative regulator of TLR4 signaling. Does not activate JNK1/MAPK8 pathway, p38/MAPK14, nor ERK2/MAPK1 pathways.

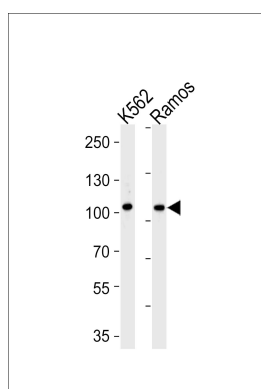
Background

Mixed-lineage kinases (MLKs) function as mitogen-activated protein kinase kinase kinases (MAP3Ks), activating the p38 and JNK signaling cascades. Systematic mutational analyses of tyrosine kinases reveal that a minimum of 30% of colorectal cancer contain at least one mutation in the tyrosine kinases; sampling of colorectal cancer cells suggest an important role of MLK4 in this process.

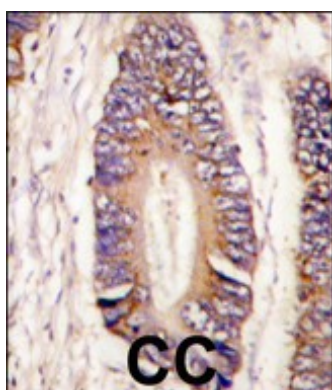
References

Gregory,S.G., Nature 441 (7091), 315-321 (2006)

Images



Western blot analysis of lysates from K562, Ramos cell line (from left to right), using MLK4 Antibody (N-term)(Cat. #AP8006a). AP8006a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with MLK4 antibody (N-term) (Cat.#AP8006a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.