

MLK4 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8006a**Specification**

MLK4 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q5TCX8
Other Accession	Q8VDG6
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	33-62

MLK4 Antibody (N-term) - 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

WB~~1:1000

IHC-P~~1:10~50

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.

MLK4 Antibody (N-term) - Protein Information**Name** MAP3K21 ([HGNC:29798](#))

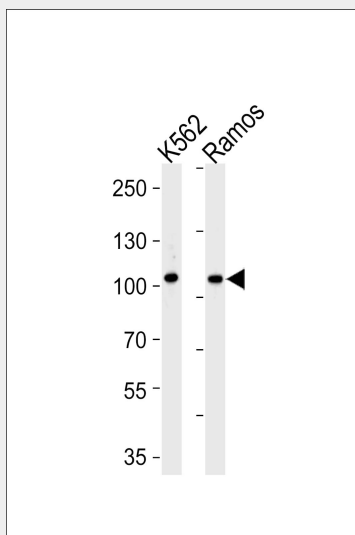
Function Negative regulator of TLR4 signaling. Does not activate JNK1/MAPK8 pathway, p38/MAPK14, nor ERK2/MAPK1 pathways.

MLK4 Antibody (N-term) - Protocols

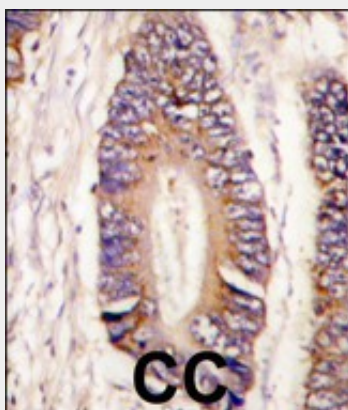
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MLK4 Antibody (N-term) - 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.

MLK4 Antibody (N-term) - 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.

MLK4 Antibody (N-term) - References

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