

Datasheet for ABIN7603181
anti-MAP4K5 antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	MAP4K5
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP4K5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-MAP4K5 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human MAP4K5, which shares 94.4% amino acid (aa) sequence identity with both mouse and rat MAP4K5.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-MAP4K5 Antibody Picoband® (ABIN7603181). Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: MAP4K5

Alternative Name: MAP4K5 ([MAP4K5 Products](#))

Background: Synonyms: Protein NDRG3,N-myc downstream-regulated gene 3 protein,NDRG3,
Tissue Specificity: Ubiquitous. Highly expressed in brain. .
Background: Mitogen-activated protein kinase kinase kinase kinase 5 is an enzyme that in humans is encoded by the MAP4K5 gene. This gene encodes a member of the serine/threonine protein kinase family, that is highly similar to yeast SPS1/STE20 kinase. Yeast SPS1/STE20 functions near the beginning of the MAP kinase signal cascades that is essential for yeast pheromone response. This kinase was shown to activate Jun kinase in mammalian cells, which suggested a role in stress response. Two alternatively spliced transcript variants encoding the same protein have been described for this gene.

Molecular Weight: 95 kDa

Gene ID: 11183

UniProt: [Q9Y4K4](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human
Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human
1. Tung, R. M., Blenis, J. A novel human SPS1/STE20 homologue, KHS, activates Jun N-terminal kinase. Oncogene 14: 653-659, 1997.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.