

HGK Polyclonal Antibody

Catalog NumberPA5-30579

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Synthetic peptide corresponding to a region within amino acids 383 and 437 of Human MAP4K4	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.19 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 20% glycerol, 1% BSA		
Contains	0.025% ProClin 300		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, HeLa, HepG2, Molt-4, Raji. Predicted reactivity: Mouse (100%), Rat (100%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

MAP4K4 (HGK) is a serine/threonine kinase which plays an important role in stress-activated MAPK core signaling pathways, the response to environmental stress and cytokines such as TNF- $\alpha$ . It appears to act upstream of the JUN N-terminal pathway. This protein is thought to interact with the SH3 domain of the adapter proteins Nck. HGK binds, via its CNH regulatory domain, to the N-terminal region of SPG3A. Expression appears to be ubiquitous, expressed in all tissue types examined. Isoform 5 appears to be more abundant in the brain, and isoform 4 is predominant in the liver, skeletal muscle and placenta.

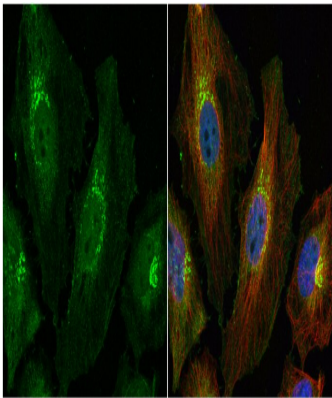
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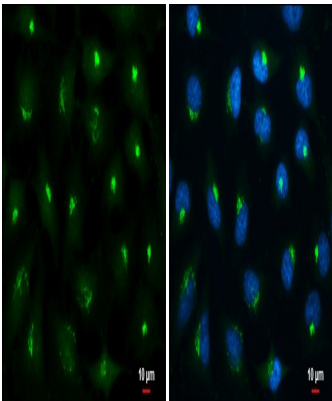
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Product Images For HGK Polyclonal Antibody



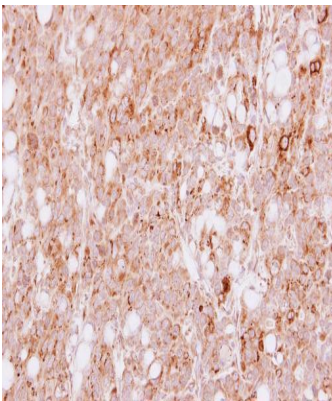
HGK Antibody (PA5-30579) in ICC/IF

Immunocytochemistry-Immunofluorescence analysis of HGK was performed in HeLa cells fixed in 4% paraformaldehyde at RT for 15 min. Green: HGK Polyclonal Antibody (Product # PA5-30579) diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker. Blue: Hoechst 33342 staining.



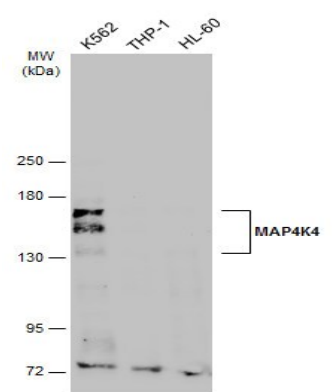
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Immunocytochemistry-Immunofluorescence analysis of HGK was performed in HeLa cells fixed in 4% paraformaldehyde at RT for 15 min. Green: HGK Polyclonal Antibody (Product # PA5-30579) diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 μm.



HGK Antibody (PA5-30579) in IHC (P)

Immunohistochemical analysis of paraffin-embedded SNU1 xenograft, using MAP4K4 (Product # PA5-30579) antibody at 1:250 dilution. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



HGK Antibody (PA5-30579) in WB

Western Blot using HGK Polyclonal Antibody (Product # PA5-30579). Various whole cell extracts (30 μg) were separated by 5% SDS-PAGE, and the membrane was blotted with HGK Polyclonal Antibody (Product # PA5-30579) diluted at 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

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