

ASK1 Polyclonal Antibody

Catalog Number PA5-20200

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Western Blot (WB)	Dilution * 0.5-2 µg/mL
Immunogen	A 16 amino acid peptide from near the carboxy terminus of human ASK1.	Immunocytochemistry (ICC/IF)	2 µg/mL
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	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is SW1353 cell lysate. PA5-20200 can be used with blocking peptide PEP-0328.

Background/Target Information

MAP3K5 (ASK1) is a serine/threonine kinase that is abundantly expressed in human heart and pancreas and are activated in response to various extracellular stimuli, including cytokines, growth factors and environmental stresses. A novel MAP kinase kinase kinase (MAPKKK) was identified and designated ASK1 (for apoptosis signal-regulating kinase 1) and MAPKKK5. ASK1 activates two different subgroups of MAPKK, MKK4 and MKK6, which in turn activates c-Jun N-terminal kinase (JNK) and p38 MAP kinase, respectively. ASK1/MAPKKK5 is activated by TNFR and Fas through the interaction with members of the TRAF family and Fas-associated protein Daxx. Overexpression of ASK1 induced apoptotic cell death and a catalytically inactive form of ASK1 inhibited TNF- α -induced apoptosis. ASK1 is expressed in variety of human and mouse tissues.

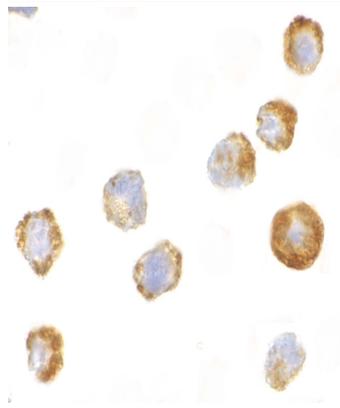
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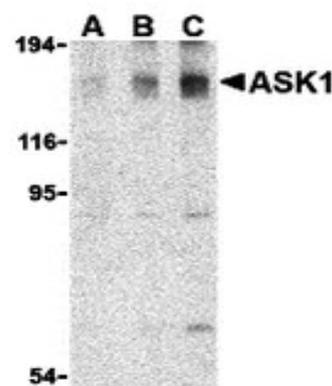
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Product Images For ASK1 Polyclonal Antibody



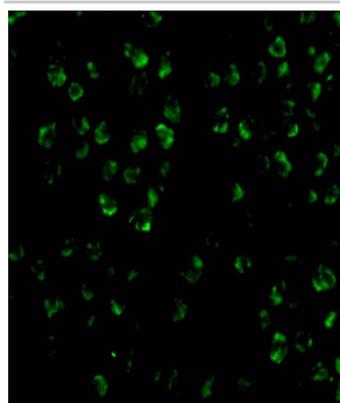
ASK1 Antibody (PA5-20200) in ICC/IF

Immunocytochemistry of ASK1 in A431 cells with ASK1 Polyclonal Antibody (Product # PA5-20200) at 2 $\mu\text{g}/\text{mL}$.



ASK1 Antibody (PA5-20200) in WB

Western Blot analysis of ASK1 in SW1353 cell lysate with ASK1 Polyclonal Antibody (Product # PA5-20200) at (A) 0.5, (B) 1, and (C) 2 $\mu\text{g}/\text{mL}$.



ASK1 Antibody (PA5-20200) in ICC/IF

Immunofluorescence of ASK1 in 3T3 cells with ASK1 Polyclonal Antibody (Product # PA5-20200) at 20 $\mu\text{g}/\text{mL}$.

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