

## ASK 1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP00672
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ASK1. AA range:49-98
<b>Mol wt</b>	154537
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	ASK 1 Antibody
<b>Synonyms</b>	MAP3K5; ASK1; MAPKKK5; MEKK5; Mitogen-activated protein kinase kinase kinase 5; Apoptosis signal-regulating kinase 1; ASK-1; MAPK/ERK kinase kinase 5; MEK kinase 5; MEKK 5

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK.

### Recommended Dilution

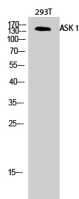
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

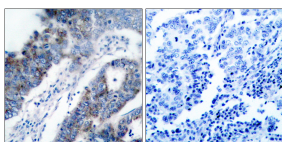
ELISA: 1: 20000

Not yet tested in other applications.

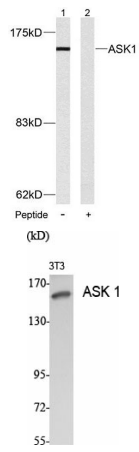
### Images



Western Blot analysis of 293T cells using ASK 1 Polyclonal Antibody diluted at 1:1000

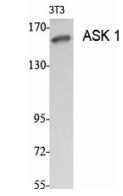


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using ASK1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from MDA-MB-435 cells, using ASK1 Antibody. The lane on the right is blocked with the synthesized peptide.

Western Blot analysis of various cells using ASK 1 Polyclonal Antibody diluted at 1:1000



### Storage

-20°C for one year

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