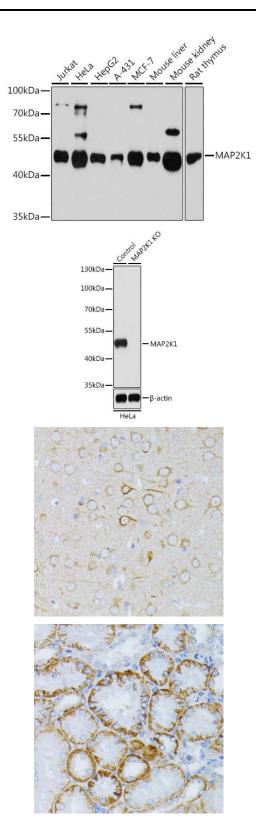
## [KO Validated] MAP2K1 Rabbit Polyclonal Antibody

CAB12687



	Duatain Backeyound
Product Information Size:	<b>Protein Background</b> The protein encoded by this gene is a member of the dual specificity protein kinase family
20uL, 50uL, 100uL, 200uL	which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known a extracellular signal-regulated kinases (ERKs), act as an integration point for multiple
Observed MW:	biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an
45kDa	essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and
Calculated MW:	development.
40kDa/43kDa	Immunogen information
Applications:	Gene ID:
WB IHC	5604
Reactivity:	Uniprot
Human, Mouse, Rat	Q02750
Antibody Information	<b>Synonyms:</b> CFC3; MAPKK1; MEK1; MKK1; PRKMK1; MAP2K1
<b>Recommended dilutions:</b> WB 1:1000 - 1:3000 IHC 1:50 - 1:200	Immunogen:
<b>Source:</b> Rabbit	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MAP2K1 (NP_002746.1).
<b>lsotype:</b> lgG	<b>Storage:</b> Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Purification:** Affinity purification



Western blot analysis of extracts of various cell lines, using MAP2K1 antibody (CAB12687) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 90s.

Western blot analysis of extracts from normal (control) and MAP2K1 knockout (KO) HeLa cells, using MAP2K1 antibody (CAB12687) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.

Immunohistochemistry of paraffin-embedded Rat brain using MAP2K1 antibody (CAB12687) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded mouse kidney using MAP2K1 antibody (CAB12687) at dilution of 1:100 (40x lens).