

Anti-MAPK1 antibody (200-300) (STJ113009)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

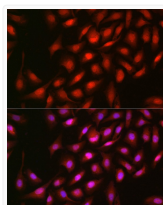
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 41kDa Observed Mw: 42kDa/
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

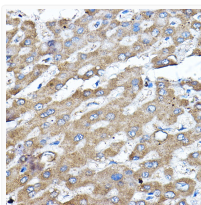
Gene ID	5594
Gene Symbol	MAPK1
UniProt ID	MK01_HUMAN
Immunogen Region	200-300
Immunogen Sequence	LNSKGYTKSIDIVSWGICLA EMLSNRPFPKGHYLDQLNH ILGILGSPSQEDLNCINLK ARNYLLSLPHKNKVPWNRLF PNADSKALDLLDKMLTFNPH K
Specificity	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human ERK2 (NP_002736.3).

ADDITIONAL INFORMATION

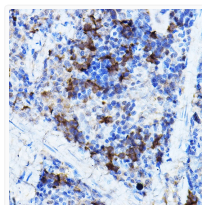
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



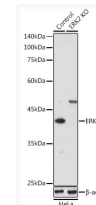
Immunofluorescence analysis of U-2 OS cells using [KO Validated] ERK2 Rabbit polyclonal antibody (STJ113009) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



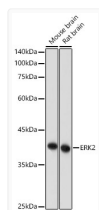
Immunohistochemistry analysis of ERK2 in paraffin-embedded human liver using [KO Validated] ERK2 Rabbit polyclonal antibody (STJ113009) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



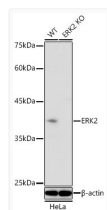
Immunohistochemistry analysis of ERK2 in paraffin-embedded rat spleen using [KO Validated] ERK2 Rabbit polyclonal antibody (STJ113009) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



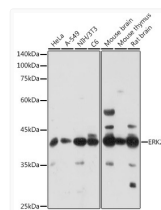
Western blot analysis of lysates from wild type (WT) and ERK2 knockout (KO) HeLa cells, using [KO Validated] ERK2 Rabbit polyclonal antibody (STJ113009) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 180s.



Western blot analysis of various lysates using [KO Validated] ERK2 Rabbit polyclonal antibody (STJ113009) at 1:1000 dilution incubated overnight at 4 °C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic KitExposure time: 30 s.



Western blot analysis of lysates from wild type (WT) and ERK2 knockout (KO) HeLa cells using [KO Validated] ERK2 Rabbit polyclonal antibody (STJ113009) at 1:1000 dilution incubated overnight at 4 °C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic KitExposure time: 90 s.



Western blot analysis of various lysates using [KO Validated] ERK2 Rabbit polyclonal antibody (STJ113009) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 180s.