

Anti-MAPK1/MAPK3 antibody (180-360) [S4MR] (STJ11102154)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

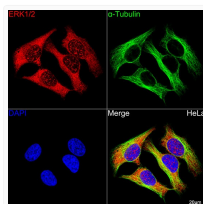
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:6000 IHC-P:1:200-1:2000 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 42, 44kDa Observed Mw: 42kDa/44kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

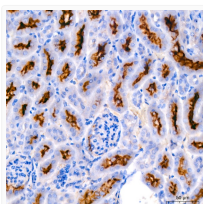
Gene ID	5594 5595
Gene Symbol	MAPK1 MAPK3
UniProt ID	MK01_HUMAN MK03_HUMAN
Immunogen Region	180-360
Immunogen Sequence	HTGFLTEYVATR WYRAPEIM LNSKGYTKSIDIVSGCILA EMLSNRPFPKGHYLDQLNH ILGILGSPSQEDLNCIINLK ARNYLLSLPHKNKVPWNRLF PNADSKALDLDKMLTFNPH KRIEVEQALAHPPYLEQYYDP SDEPIAEAPFKFDMELDDLK KEKLKELIFEETARFQPGYR S
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 180-360 of human ERK2 (P28482).

ADDITIONAL INFORMATION

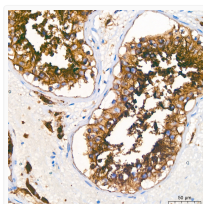
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.
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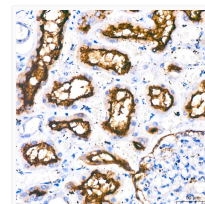
Confocal imaging of HeLa cells using ERK1/2 Rabbit monoclonal antibody (STJ11102154, dilution 1:500) (Red). The cells were counterstained with Alpha-Tubulin Mouse monoclonal antibody (dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



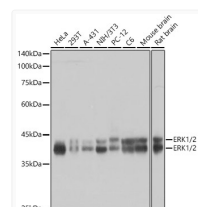
Immunohistochemistry analysis of paraffin-embedded mouse kidney using ERK1/2 Rabbit monoclonal antibody (STJ11102154) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human testis using ERK1/2 Rabbit monoclonal antibody (STJ11102154) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human kidney using ERK1/2 Rabbit monoclonal antibody (STJ11102154) at dilution of 1:200 (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 various lysates, using ERK1/2 antibody (STJ11102154) 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 Basic Kit. Exposure time: 1s.