

## Anti-Phospho-MAPK3-Y204 antibody (STJ22262)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

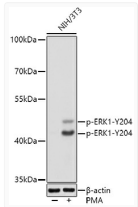
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:100 IF/ICC:1:100-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your speci
Formulation	PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 43kDa 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

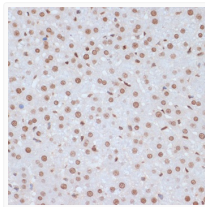
Gene ID	<a href="#">5595</a>
Gene Symbol	<a href="#">MAPK3</a>
UniProt ID	<a href="#">MK03_HUMAN</a>
Immunogen Sequence	TEYVA
Specificity	A synthetic phosphorylated peptide around Y204 of human ERK1 (NP_002737.2).

### ADDITIONAL INFORMATION

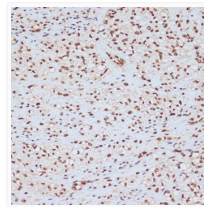
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



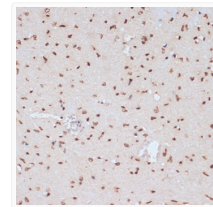
Western blot analysis of lysates from NIH/3T3 cells, using Phospho-ERK1-Y204 + ERK2-Y187 Rabbit pAb (STJ22262) at 1:1000 dilution. NIH/3T3 cells were treated by PMA/TPA (200 nM) at 37 °C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.  
Lysates/proteins: 25 Mu g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit  
Exposure time: 1s.



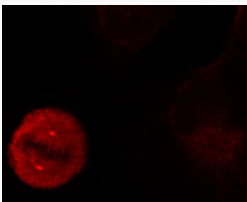
Immunohistochemistry analysis of paraffin-embedded Rat liver using Phospho-ERK1-Y204 + ERK2-Y187 Rabbit pAb (STJ22262) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to immunohistochemistry staining.



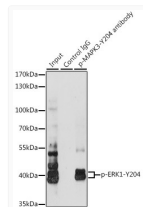
Immunohistochemistry analysis of paraffin-embedded Human uterus using Phospho-ERK1-Y204 + ERK2-Y187 Rabbit pAb (STJ22262) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart using Phospho-ERK1-Y204 + ERK2-Y187 Rabbit pAb (STJ22262) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to immunohistochemistry staining.



Immunofluorescence analysis of methanol-fixed HeLa cells showing centrosome and nuclear staining using Phospho-ERK1-Y204 + ERK2-Y187 Rabbit pAb (STJ22262).



Immunoprecipitation analysis of 200 Mu g extracts of Jurkat cells, using 3 Mu g Phospho-ERK1-Y204 + ERK2-Y187 Rabbit pAb (STJ22262). Western blot was performed from the immunoprecipitate using Phospho-ERK1-Y204 pAb (STJ22262) at a dilution of 1:1000. Jurkat cells were treated by PMA/TPA (200 nM) at 37 °C for 10 minutes.