

## Anti-STAT4 antibody (649-748) [S4MR] (STJ11102094)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

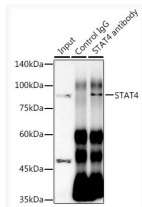
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 86kDa Observed Mw: 86kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

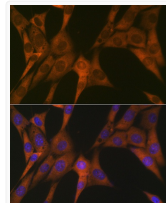
Gene ID	<a href="#">6775</a>
Gene Symbol	<a href="#">STAT4</a>
UniProt ID	<a href="#">STAT4_HUMAN</a>
Immunogen Region	649-748
Immunogen Sequence	MAENIPENPLKYLYPDIPKD KAFGKHYSSQPCEVSRPTER GDKGYVPSVFPIPISTIRSDS TEPHSPDLLMSPSPVAVL RENLSPTTIETAMKSPYSAE
Specificity	A synthetic peptide corresponding to a sequence within amino acids 649-748 of human STAT4 (NP_003142.1).

### ADDITIONAL INFORMATION

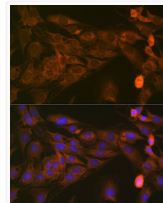
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



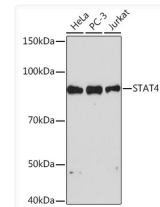
Immunoprecipitation analysis of 300 Mu g extracts of HeLa cells using 3 Mu g STAT4 antibody (STJ11102094). Western blot was performed from the immunoprecipitate using STAT4 antibody (STJ11102094) at a dilution of 1:1000.



Immunofluorescence analysis of NIH-3T3 cells using STAT4 Rabbit monoclonal antibody (STJ11102094) 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.



Immunofluorescence analysis of C6 cells using STAT4 Rabbit monoclonal antibody (STJ11102094) 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.



Western blot analysis of various lysates using STAT4 Rabbit monoclonal antibody (STJ11102094) at 1:1000 dilution. Secondary antibody: HRP 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: 90s.