

STAT3 Rabbit mAb

Catalog No: #58703

Package Size: #58703-1 50ul #58703-2 100ul

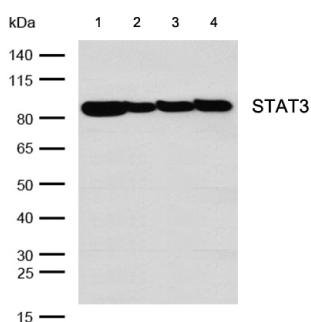
Description

Product Name	STAT3 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	STAT3 Antibody detects endogenous levels of total STAT3
Immunogen Description	A synthesized peptide derived from human STAT3
Other Names	APRF;Acute-phase response factor;Signal transducer and activator of transcription 3; STAT3; HIES;
Accession No.	Uniprot:P40763
Calculated MW	88kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200

Images



All lanes: STAT3 Rabbit mAb at 1/1k dilution

Lane 1 : A431 whole cell lysates Lane 2 : Human liver lysates
Lane 3 : Mouse heart lysates Lane 4 : Rat brain lysates
Lysates/proteins at 20 µg per lane.

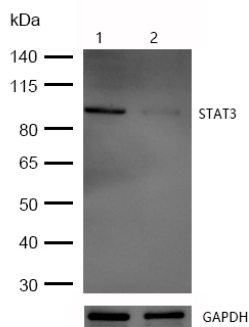
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 88 kDa

Observed band size: 88 kDa

Exposure time: 5 seconds

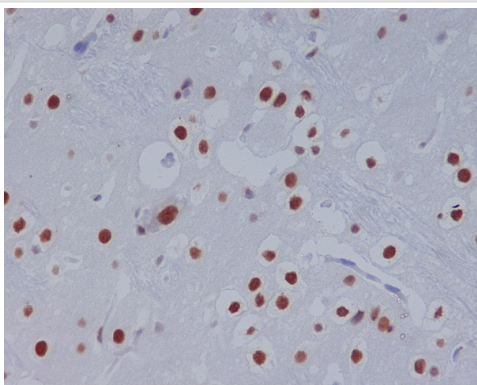


All lanes: STAT3 Rabbit mAb at 1/1k dilution

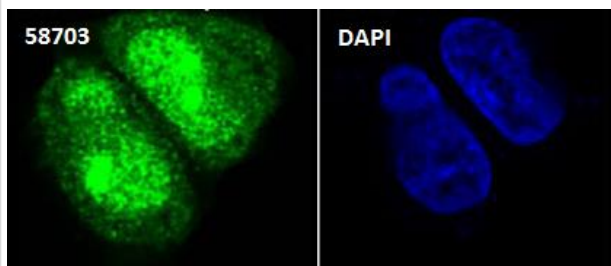
Lane 1 : Wild-type HeLa cell lysate

Lane 2 : STAT3 knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded rat brain tissue stained for STAT3 using 58703 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence STAT3 antibody (58703) ICC/IF staining of STAT3 in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 58703 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

Background

Transcription factor that binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA. The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.