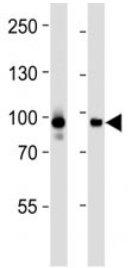
STAT3 Antibody [clone 1200CT146.104.153] (F52478)

Catalog No.	Formulation	Size
F52478-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52478-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Pig
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, k
Clone Name	1200CT146.104.153
Purity	Purified
UniProt	P40763
Applications	1:1000
Limitations	This STAT3 antibody is available for research use only.



Western blot analysis of lysate from CEM, HeLa cell line (left to right) using STAT3 antibody at 1:1000 for each lane.

Description

Signal transducer and transcription activator that mediates cellular responses to interleukins, KITLG/SCF and other growth factors. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the interleukin-6 (IL-6)- responsive elements identified in the promoters of various acute- phase protein genes. Activated by IL31 through IL31RA. Cytoplasmic STAT3 represses macroautophagy by inhibiting EIF2AK2/PKR activity. Plays an

important role in host defense in methicillin-resistant S.aureus lung infection by regulating the expression of the antimicrobial lectin REG3G (By similarity).

Application Notes

Titration of the STAT3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This STAT3 antibody was produced from a mouse immunized with a recombinant protein from human.

Storage

Aliquot the STAT3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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