

STAT3 Monoclonal Antibody(1E3)

Description

Product type Primary Antibody

Code BT-MCA1164

Host Mouse

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen Recombinant Protein of STAT3

Mol wt N/A

Species reactivity Human, Rat, Mouse

Clonality Monoclonal

Recommended application WB, IHC-p, IF

Concentration 1 mg/ml

Full name Signal transducer and activator of transcription 3

Synonyms STAT3; APRF; Signal transducer and activator of transcription 3; Acute-phase response factor

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

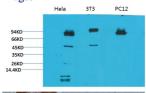
The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper

Recommended Dilution

IHC: 1:100-200 WB: 1:1000-2000

Not yet tested in other applications.

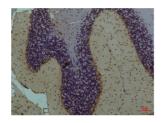
Images



Western blot analysis of 1) Hela, 2)3T3. 3) PC12 with STAT3 Mouse Monoclonal antibody diluted at 1:2.000.



Immunohistochemical analysis of paraffin-embedded Human Colon Caricnoma using STAT3 Mouse Monoclonal antibody diluted at 1:200.



 $Immun ohistochemical \ analysis \ of paraffin-embedded \ Mouse \ Brain \ Tissue \ using \ STAT3 \ Mouse \ Monoclonal \ antibody \ diluted \ at 1:200.$

Storage -20°C for one year

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