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(818)-707-0392 (Fax)
order@abiocode.com
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STAT3 (C) Antibody, Rabbit Polyclonal

Cat#: R1185-2

Quantity: 100 ul

Predicted | Observed M.W.: 88 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P40763

Background:

Signal transducer and activator of transcription 3 (STAT3) 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. STAT3 is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. STAT3 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 STAT3. PIAS3 protein is a specific inhibitor of STAT3. Three alternatively spliced transcript variants encoding distinct isoforms have been described [provided by RefSeq].

Other Names:

Signal transducer and activator of transcription 3, Acute-phase response factor, APRF

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human STAT3. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

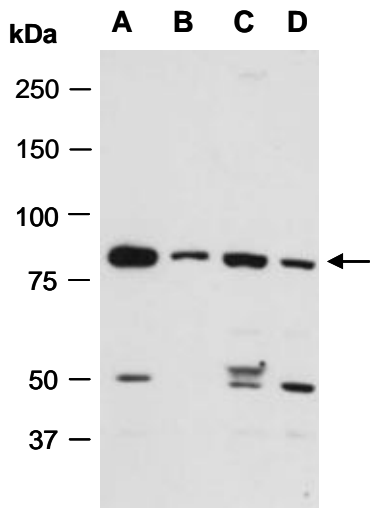


Fig 1. Western blot of total cell extracts from (A) mouse brain, (B) mouse thymus, (C) human HeLa, (D) human Jurkat; using anti-STAT3 (C) (R1185-2) at RT for 2 h.