PAB743Mi04

Polyclonal Antibody

To Signal Transducer And Activator Of Transcription 3 (STAT3)

Organism Species: Homo sapiens (Human)

Mus musculus (Mouse)

Rattus norvegicus (Rat)

Bos taurus; Bovine (Cattle)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

1304 Langham Creek Dr, Suite 226, Houston, TX 77084, USA | 001-888-960-7402 | www.cloud-clone.us | mail@cloud-clone.us
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[PROPERTIES]

Source: Polyclonal antibody preparation
Host: Rabbit
Purification: Antigen-specific Affinity Chromatography.
Traits: Liquid
Concentration: 200μg/mL
UOM: 50μg
Applications: WB; ICC; IHC-P; IHC-F; ELISA; IP; IF; FCM.

[IMMUNOGEN]

Immunogen: Recombinant STAT3 (Thr346~Glu552) expressed in *E.coli*.
Accession No.: RPB743Mi04

[ORGANISM SPECIES MORE]

React with: Human, mouse, rat, bovine;
Other species have not been detected.

[APPLICATIONS]

Western blotting: 0.5-2ug/ml
Immunocytochemistry in formalin fixed cells: 5-20ug/ml
Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml
Immunohistochemistry in paraffin section: 5-20ug/ml
Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml
Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant STAT3 disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemilumescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN_3.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.
Store at 4°C for frequent use.
Aliquot and store at -20°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed.The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

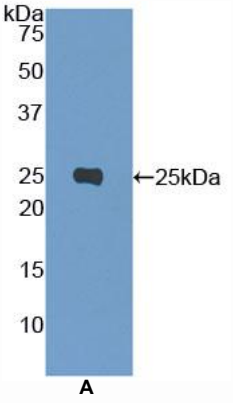

Figure1. Western Blot

A. Sample: Recombinant STAT3