

**bsm-33267M****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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**STAT1 Mouse mAb****— DATASHEET —****Host:** Mouse**Isotype:** IgG**Clonality:** Monoclonal**CloneNo.:** 10G10**GeneID:** 6772**SWISS:** P42224**Target:** STAT1**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml

**Storage:** Size : 50ul/100ul/200ul  
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  
Size : 200ug (PBS only)  
0.01M PBS  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

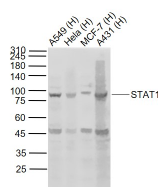
**Background:** The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. The protein encoded by this gene can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. The protein plays an important role in immune responses to viral, fungal and mycobacterial pathogens. Mutations in this gene are associated with Immunodeficiency 31B, 31A, and 31C. [provided by RefSeq, Jun 2020]

**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)

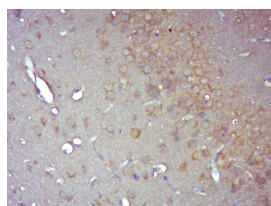
**Reactivity:** Human, Mouse  
(predicted: Rat, Rabbit, Pig,  
Sheep, Cow, Dog)

**Predicted  
MW.:** 82 kDa

**Subcellular  
Location:** Cytoplasm ,Nucleus

**— VALIDATION IMAGES —**

Sample: Lane 1: A549 (Human) Cell Lysate at 30 ug  
Lane 2: HeLa (Human) Cell Lysate at 30 ug  
Lane 3: MCF-7 (Human) Cell Lysate at 30 ug  
Lane 4: A431 (Human) Cell Lysate at 30 ug  
Primary: Anti-STAT1 (bsm-33267M) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution  
Predicted band size: 91/84 kD  
Observed band size: 84 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (STAT1) Polyclonal Antibody, Unconjugated (bsm-33267M-10G10) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.