

STAT5A Polyclonal Antibody

Catalog Number:E-AB-65556



Note: Centrifuge before opening to ensure complete recovery of vial contents.

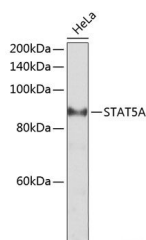
Description

| | |
|---------------------|---|
| Reactivity | Human |
| Immunogen | Recombinant fusion protein of human STAT5A (NP_003143.2). |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Conjugation | Unconjugated |
| Formulation | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

Applications Recommended Dilution

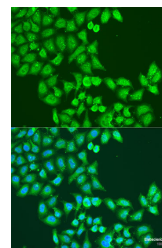
| | |
|-----------|--------------|
| WB | 1:500-1:2000 |
| IF | 1:50-1:200 |

Data



Western blot analysis of extracts of HeLa cells using STAT5A Polyclonal Antibody at dilution of 1:2000.

Observed Mw:90kDa
Calculated Mw:86kDa/90kDa



Immunofluorescence analysis of U2OS cells using STAT5A Polyclonal Antibody at dilution of 1:100.
Blue: DAPI for nuclear staining.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

The protein encoded by this gene is a member of the STAT family of transcription factors. 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 by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene.

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