

### Stat6 Antibody

Rabbit Polyclonal Antibody Catalog # ABV10344

## **Specification**

## **Stat6 Antibody - Product Information**

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Isotype

WB
O1KO07
NP\_001037715.1
Human, Mouse, Rat
Rabbit

Polyclonal Rabbit IgG

# Stat6 Antibody - Additional Information

Application & Usage

Western blotting (0.5-4  $\mu$ g/ml). However, the optimal concentrations should be determined individually. The antibody recognizes the 119 kDa full length and the 65 kDa short form of Stat6 in samples from human, mouse, and rat origins.

## **Other Names**

Signal transducer and activator of transcription6, STAT6B , STAT6C , D12S1644 , IL-4-STAT , interleukin 4 induced STAT  $\,$ 

Target/Specificity STAT6

**Antibody Form** Liquid

**Appearance** Colorless liquid

# Formulation

 $100~\mu g$  (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

## Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage -20 °C

# **Background Descriptions**

### **Precautions**

Stat6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.



## **Stat6 Antibody - Protein Information**

## **Stat6 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Stat6 Antibody - Images

## Stat6 Antibody - Background

Membrane receptor signaling by various ligands induces activation of Jak kinases which then leads to tyrosine phosphorylation of the various Stat transcription factors. Stat1 and Stat2 are induced by IFN- $\alpha$  and form a heterodimer which is part of the ISGF3 transcription factor complex. Altho  $\mu$ gh early reports indicate Stat3 activation by EGF and IL-6, it has been shown that Stat3 $\beta$  appears to be activated by both while Stat3 $\alpha$  is activated by EGF, but not by IL-6. Highest expression of Stat4 is seen in testis and myeloid cells. IL-12 has been identified as an activator of Stat4. Stat5 is activated by prolactin and by IL-3. Stat6 is involved in IL-4 activated signaling pathways.