

## Stat5b Rabbit Monoclonal Antibody

### Catalog #: EAB21813

| Host/Isotype | Clonality  | Applications          | MW (kDa) | Reactivity        |
|--------------|------------|-----------------------|----------|-------------------|
| Rabbit IgG   | Monoclonal | WB, IP, IHC-P, IF/ICC | 90       | Human, Mouse, Rat |

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|                                                        |            |
|--------------------------------------------------------|------------|
| <b>WB</b> (Western Blotting)                           | 1:500-2000 |
| <b>IP</b> (Immunoprecipitation)                        | 1:10-100   |
| <b>IHC-P</b> (Immunohistochemistry-Paraffin)           | 1:50-200   |
| <b>IF/ICC</b> (Immunofluorescence/Immunocytochemistry) | 1:50-200   |

### Product Information

|                       |                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conjugate</b>      | Unconjugate                                                                                                                               |
| <b>Specificity</b>    | Stat5b Rabbit Monoclonal Antibody detects endogenous levels of Stat5b protein.                                                            |
| <b>Purification</b>   | Affinity purification                                                                                                                     |
| <b>Concentration</b>  | 1mg/ml                                                                                                                                    |
| <b>Format</b>         | Liquid                                                                                                                                    |
| <b>Formulation</b>    | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol                                                                  |
| <b>Shipping</b>       | Gel Pack                                                                                                                                  |
| <b>Storage</b>        | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles.<br>Aliquots may be stored at +4°C for 1-2 weeks |
| <b>UniProt ID</b>     | <a href="#">P51692</a>                                                                                                                    |
| <b>Entrez-Gene Id</b> | <a href="#">6777</a>                                                                                                                      |

### Product Description

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 mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APLL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL.

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