

## IL6ST Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant IL6ST.

Catalog # AT2523a

### Specification

#### IL6ST Antibody (monoclonal) (M02) - Product Information

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, E                     |
| Primary Accession | <a href="#">P40189</a>    |
| Other Accession   | <a href="#">NM_002184</a> |
| Reactivity        | Human                     |
| Host              | mouse                     |
| Clonality         | Monoclonal                |
| Isotype           | IgG2a Kappa               |
| Calculated MW     | 103537                    |

#### IL6ST Antibody (monoclonal) (M02) - Additional Information

Gene ID 3572

#### Other Names

Interleukin-6 receptor subunit beta, IL-6 receptor subunit beta, IL-6R subunit beta, IL-6R-beta, IL-6RB, CDw130, Interleukin-6 signal transducer, Membrane glycoprotein 130, gp130, Oncostatin-M receptor subunit alpha, CD130, IL6ST

#### Target/Specificity

IL6ST (NP\_002175, 23 a.a. ~ 122 a.a)  
partial recombinant protein with GST tag.  
MW of the GST tag alone is 26 KDa.

#### Dilution

WB~~1:500~1000

#### Format

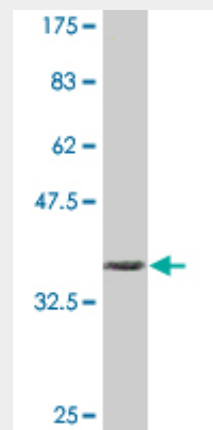
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

#### Storage

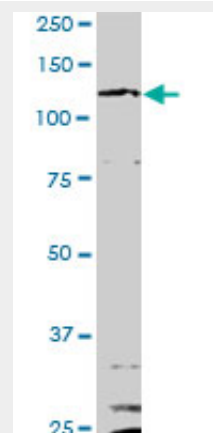
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

#### Precautions

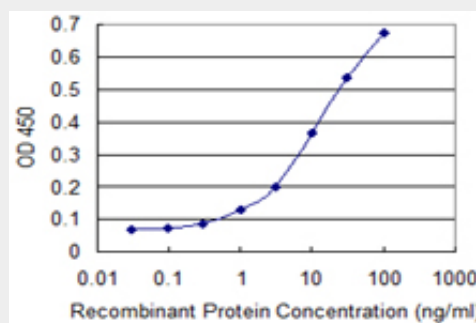
IL6ST Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



IL6ST monoclonal antibody (M02), clone 4A4. Western Blot analysis of IL6ST expression in HepG2 ( Cat # AT2523a )



Detection limit for recombinant GST tagged

IL6ST is 0.3 ng/ml as a capture antibody.

## **IL6ST Antibody (monoclonal) (M02) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **IL6ST Antibody (monoclonal) (M02) - Background**

The protein encoded by this gene is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described. A related pseudogene has been identified on chromosome 17.

## **IL6ST Antibody (monoclonal) (M02) - References**

Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624. Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Continuous glycoprotein-130-mediated signal transducer and activator of transcription-3 activation promotes inflammation, left ventricular rupture, and adverse outcome in subacute myocardial infarction. Hilfiker-Kleiner D, et al. Circulation, 2010 Jul 13. PMID 20585009. Sortilin facilitates signaling of ciliary neurotrophic factor and related helical type 1 cytokines targeting the gp130/leukemia inhibitory factor receptor beta heterodimer. Larsen JV, et al. Mol Cell Biol, 2010 Sep. PMID 20584990. Crystal structure of the entire ectodomain of gp130: insights into the molecular assembly of the tall cytokine

receptor complexes. Xu Y, et al. J Biol Chem, 2010 Jul 9. PMID 20489211.