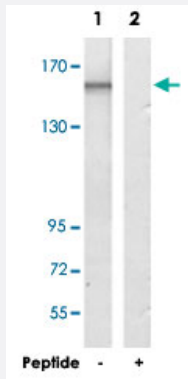


IL6ST polyclonal antibody

Catalog # PAB18317 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, using IL6ST polyclonal antibody (Cat # PAB18317).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IL6ST.
Immunogen	A synthetic peptide corresponding to residues surrounding S782 of human IL6ST.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to IL6ST.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:60000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction

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

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, using IL6ST polyclonal antibody (Cat # PAB18317).

Peptide "+" means "peptide blocking".

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

Gene Info — IL6ST

Entrez GeneID[3572](#)**Protein Accession#**[P40189](#)**Gene Name**

IL6ST

Gene Alias

CD130, CDw130, GP130, GP130-RAPS, IL6R-beta

Gene Description

interleukin 6 signal transducer (gp130, oncostatin M receptor)

Omim ID[600694](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 suggested a critical role of the gene encoding this protein in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

Other Designations

CD130 antigen|IL6ST nirs variant 3|OTTHUMP00000122545|gp130 of the rheumatoid arthritis antigenic peptide-bearing soluble form|gp130 transducer chain|interleukin 6 signal transducer|interleukin receptor beta chain|membrane glycoprotein gp130|oncostatin M

Publication Reference

- [Differential expression of CD126 and CD130 mediates different STAT-3 phosphorylation in CD4+CD25- and CD25high regulatory T cells.](#)

Oberg HH, Wesch D, Grussel S, Rose-John S, Kabelitz D.

International Immunology 2006 Apr; 18(4):555.

Application: Flow Cyt, Human, PBMCs

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Arthritis](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chronic Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Hyperandrogenism](#)
- [Hypertension](#)
- [Lymphoproliferative Disorders](#)

- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Thyroid Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)