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# IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide

**Rat Monoclonal Antibody [Clone IL6/1270 ]**
**Catalog # AH11578**

## Specification

### IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide - Product Information

| | |
|---|---|
| Application | **,2,3,4,** |
| Primary Accession | P05231 |
| Other Accession | 3569, 654458 |
| Reactivity | **Human, Mouse** |
| Host | **Rat** |
| Clonality | **Monoclonal** |
| Isotype | **Rat / IgG1, kappa** |
| Calculated MW | **21kDa KDa** |

### IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide - Additional Information

**Gene ID** 3569

**Other Names**
Interleukin-6, IL-6, B-cell stimulatory factor 2, BSF-2, CTL differentiation factor, CDF, Hybridoma growth factor, Interferon beta-2, IFN-beta-2, IL6, IFNB2

**Storage**
Store at 2 to 8°C.Antibody is stable for 24 months.

**Precautions**
IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

### IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide - Protein Information

**Name** IL6 (HGNC:6018)

**Synonyms** IFNB2

**Function**
Cytokine with a wide variety of biological functions in immunity, tissue regeneration, and metabolism. Binds to IL6R, then the complex associates to the signaling subunit IL6ST/gp130 to trigger the intracellular IL6-signaling pathway (Probable). The interaction with the membrane-bound IL6R and IL6ST stimulates 'classic signaling', whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans- signaling'. Alternatively, 'cluster signaling' occurs when membrane- bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells (Probable).

**Cellular Location**
Secreted.

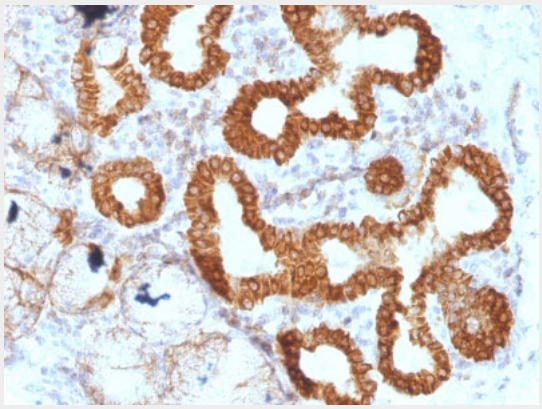
**Tissue Location**
Produced by skeletal muscle.

## IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide - Protocols

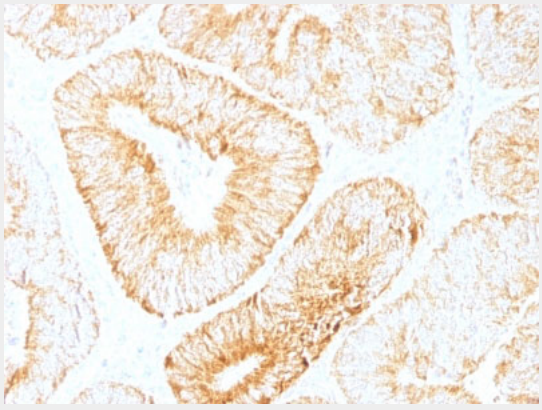
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded human Esophageal Carcinoma stained with IL-6 Monoclonal Antibody (IL6/1270).



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with IL-6 Monoclonal Antibody (IL6/1270).

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## IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide - Background

IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B-cells and T-cells. It plays a critical role in B-cell differentiation to plasma cells and is a potent growth factor for plasmacytoma and myeloma. IL-6 is produced by a variety of cell types, including monocytes, fibroblasts and endothelial cells. Upon stimulation, macrophages, T, B, mast, and glial cells, eosinophils, keratinocytes and granulocytes also secrete IL-6. It is involved in host defense, acute phase reactions, immune responses, and hematopoiesis.

## IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide - References

Hirano, T., et al. 1986. Complementary DNA for a novel human interleukin (BSF-2) that induces B lymphocytes to produce immunoglobulin. Nature 324: 73-76