

**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	IHC, IF, FC
Primary Accession	<a href="#">P05231</a>
Other Accession	<a href="#">3569, 654458</a>
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

**Application Note**

<span class = "dilution\_IHC">IHC~~1:100~500</span><br /><span class = "dilution\_IF">IF~~1:50~200</span><br /><span class = "dilution\_FC">FC~~1:10~50</span>

**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.

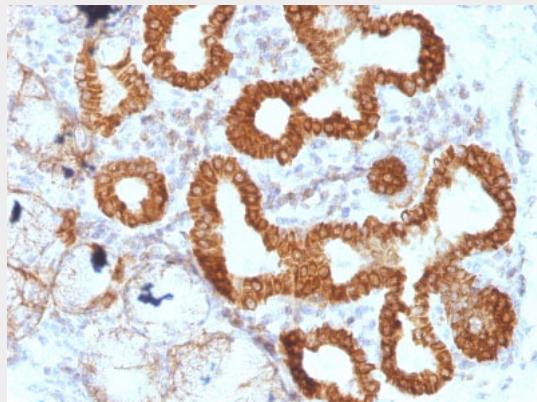
**Tissue Location**

Produced by skeletal muscle.

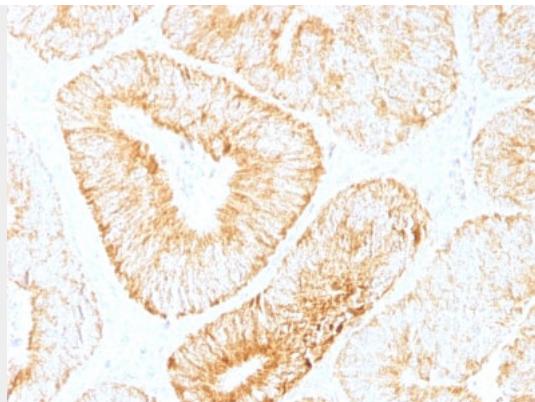
**IL-6 (Interleukin-6) / Interferon beta-2 (Hybridoma Growth Factor) Antibody - With BSA and Azide - Protocols**

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

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

**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