

#### **IL-31 Polyclonal Antibody**

Catalog # AP74024

## **Specification**

### **IL-31 Polyclonal Antibody - Product Information**

Application WB
Primary Accession Q6EBC2
Reactivity Human
Host Rabbit
Clonality Polyclonal

#### IL-31 Polyclonal Antibody - Additional Information

**Gene ID 386653** 

Other Names Interleukin-31 (IL-31)

Dilution

WB~~WB 1:500-2000, ELISA 1:10000-20000

**Format** 

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions -20°C

## IL-31 Polyclonal Antibody - Protein Information

### Name IL31

# Function

Activates STAT3 and possibly STAT1 and STAT5 through the IL31 heterodimeric receptor composed of IL31RA and OSMR (PubMed:<a href="http://www.uniprot.org/citations/15184896" target="\_blank">15184896</a>). May function in skin immunity (PubMed:<a href="http://www.uniprot.org/citations/15184896" target="\_blank">15184896</a>). Enhances myeloid progenitor cell survival in vitro (By similarity). Induces RETNLA and serum amyloid A protein expression in macrophages (By similarity).

#### **Cellular Location**

Secreted.

#### **Tissue Location**

Detected at low levels in testis, bone marrow, skeletal muscle, kidney, colon, thymus, small intestine and trachea

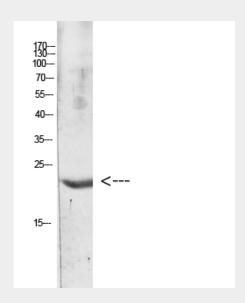


# **IL-31 Polyclonal Antibody - Protocols**

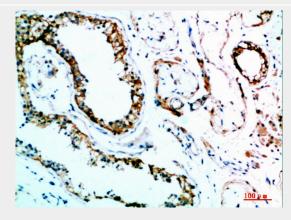
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **IL-31 Polyclonal Antibody - Images**

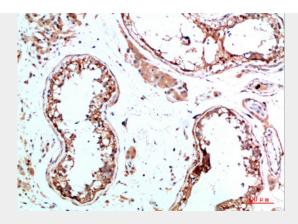


Western blot analysis of Hela Cell Lysate using antibody. Secondary antibody was diluted at 1:20000

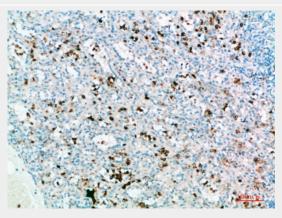


Immunohistochemical analysis of paraffin-embedded human-testis, antibody was diluted at 1:200

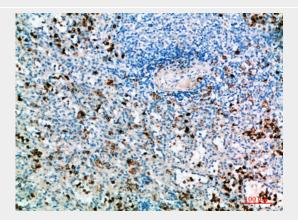




Immunohistochemical analysis of paraffin-embedded human-testis, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-spleen, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-spleen, antibody was diluted at 1:200

# IL-31 Polyclonal Antibody - Background

Activates STAT3 and possibly STAT1 and STAT5 through the IL31 heterodimeric receptor composed of IL31RA and OSMR (PubMed:15184896). May function in skin immunity (PubMed:15184896). Enhances myeloid progenitor cell survival in vitro (By similarity). Induces RETNLA and serum amyloid A protein expression in macrophages (By similarity).