

Product datasheet

Anti-Interferon gamma antibody (Biotin) ab193426

1 Image

Overview

<b>Product name</b>	Anti-Interferon gamma antibody (Biotin)
<b>Description</b>	Rabbit polyclonal to Interferon gamma (Biotin)
<b>Host species</b>	Rabbit
<b>Conjugation</b>	Biotin
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Guinea pig
<b>Immunogen</b>	Recombinant fragment corresponding to Guinea pig Interferon gamma aa 24-166. Sequence:  QSRFTNEIRILKNYFNADNSDVGDNGTLFVGILKNCQEE SERKIFQSQIV SFYFKLFEKHFTDNQTVQNSMNTIKEQIITKFFKDSSN KVQAFKNLIQI SVNDEHVQRQAIIELKKVIDDLSPNQRKRRRTQMLFQS RRASK  Database link: <a href="#">100379568</a>  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Recombinant Guinea Pig Interferon gamma protein

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.03% Proclin Constituents: 50% Glycerol, 49% PBS
<b>Purity</b>	Caprylic Acid - Ammonium Sulfate precipitation
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab193426** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 2 µg/ml. Predicted molecular weight: 20 kDa.

## Target

### Function

Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.

### Tissue specificity

Released primarily from activated T lymphocytes.

### Involvement in disease

In Caucasians, genetic variation in IFNG is associated with the risk of aplastic anemia (AA) [MIM:609135]. AA is a rare disease in which the reduction of the circulating blood cells results from damage to the stem cell pool in bone marrow. In most patients, the stem cell lesion is caused by an autoimmune attack. T-lymphocytes, activated by an endogenous or exogenous, and most often unknown antigenic stimulus, secrete cytokines, including IFN-gamma, which would in turn be able to suppress hematopoiesis.

### Sequence similarities

Belongs to the type II (or gamma) interferon family.

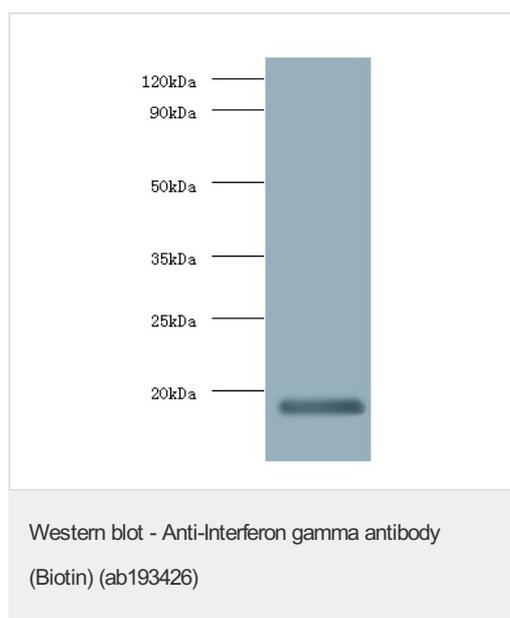
### Post-translational modifications

Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.

### Cellular localization

Secreted.

## Images



Anti-Interferon gamma antibody (Biotin) (ab193426) at 2 µg/ml +  
Recombinant Guinea Pig Interferon gamma protein at 10 µg

### Secondary

Goat polyclonal to Rabbit IgG at 1/10000 dilution

**Predicted band size:** 20 kDa

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