

Anti-Interferon alpha 1 antibody ab24767

Overview

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| Product name | Anti-Interferon alpha 1 antibody |
| Description | Rabbit polyclonal to Interferon alpha 1 |
| Host species | Rabbit |
| Specificity | Recognizes chicken Interferon alpha 1 (chIFN-alpha). The antibody cross reacts with IFN beta but does not cross react with IFN gamma. This antibody will recognize chicken IFN beta by Western blotting; it does not neutralize its activity in vitro. It does, however, neutralize the activity of IFN alpha, and thus it can be used to distinguish the two bioactivities. Presumably it recognizes an epitope that is only revealed in IFN beta following denaturation. |
| Tested applications | Suitable for: ELISA, IP, WB, Functional Studies |
| Species reactivity | Reacts with: Chicken |
| Immunogen | Recombinant full length protein corresponding to Chicken Interferon alpha 1. |
| General notes | <p>The classification of mammalian cytokines with antiviral activity, is well documented as being either Type I Interferon (IFNα) or Type II Interferon (IFNβ). This is not the case for avian IFNs however, even though IFN was first detected in the chicken. A growing number of functional studies indicate similarities between chicken IFN and mammalian IFNα, revealing the conservation of cysteine residues and the existence of around ten closely related intron-less IFN alpha genes. Further research has shown that chIFN-alpha genes are strongly expressed following viral infection of monocyte-derived macrophage and embryo fibroblasts and that recombinant chicken IFN acts as a potent antiviral agent.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Purity | Protein G purified |

Primary antibody notes

The classification of mammalian cytokines with antiviral activity, is well documented as being either Type I Interferon (IFN α) or Type II Interferon (IFN β). This is not the case for avian IFNs however, even though IFN was first detected in the chicken. A growing number of functional studies indicate similarities between chicken IFN and mammalian IFN α , revealing the conservation of cysteine residues and the existence of around ten closely related intron-less IFN α genes. Further research has shown that chlFN- α genes are strongly expressed following viral infection of monocyte-derived macrophage and embryo fibroblasts and that recombinant chicken IFN acts as a potent antiviral agent.

Clonality

Polyclonal

Isotype

IgG

Applications**The Abpromise guarantee**

Our **Abpromise guarantee** covers the use of ab24767 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 |
|--------------------|-----------|--|
| ELISA | | Use at an assay dependent concentration. |
| IP | | Use at an assay dependent concentration. |
| WB | | Use at an assay dependent concentration. |
| Functional Studies | | Use at an assay dependent concentration. |

Target**Function**

Produced by macrophages, IFN- α have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase.

Sequence similarities

Belongs to the alpha/beta interferon family.

Cellular localization

Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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