

Datasheet: AHP944Z

Description:	RABBIT ANTI CHICKEN INTERFERON BETA:Preservative Free
Specificity:	IFN BETA
Other names:	INTERFERON BETA
Format:	Preservative Free
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			
Immunoprecipitation	■			
Western Blotting	■			
Functional Assays	■			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Chicken
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to chicken Interferon Beta were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography on protein G.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present.
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant chicken Interferon Beta.
External Database Links	UniProt:

Entrez Gene:

[554219](#) IFNB [Related reagents](#)

Synonyms	IFN2
Specificity	Rabbit anti Chicken Interferon beta antibody recognizes chicken Interferon beta (chIFN-beta). Reports suggest that chIFN exhibits properties similar to mammalian IFN type I (IFNI). Functional studies revealed the presence of two distantly related IFNI genes, designated as IFN alpha and IFN beta, found on chicken chromosome Z. The serological distinction between these two IFNs has been verified using neutralisation assays, and there is evidence that the antiviral activity of chIFN-beta is approximately ten-fold less compared to chIFN-alpha. This would suggest that chIFNbeta might have a different physiological role, though chIFN-beta is expressed strongly in virus-infected cells. Rabbit anti Chicken Interferon beta antibody (AHP944Z) does not cross react with IFN gamma. This antiserum neutralizes chIFN-beta and can be used to discriminate IFN alpha and IFN beta bioactivities, (Schwarz, H. et al.).
Western Blotting	AHP944Z detects a band of approximately 20 kDa.
References	1. Schwarz, H. <i>et al.</i> (2004) Synthesis of IFN-beta by virus-infected chicken embryo cells demonstrated with specific antisera and a new bioassay. J Interferon Cytokine Res. 24 (3): 179-84.
Further Reading	1. Staeheli, P. <i>et al.</i> (2001) Cytokines of birds: conserved functions--a largely different look. J Interferon Cytokine Res. 21 (12): 993-1010. 2. Sick, C. <i>et al.</i> (1996) A family of genes coding for two serologically distinct chicken interferons. J Biol Chem. 271 (13): 7635-9.
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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