



Anti-IFNA3 polyclonal antibody (CPBT-67127RC)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product recognizes chicken Interferon alpha (chIFN α). 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 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. cross reacts with IFN beta in western blots but does not show any cross reactivity with IFN gamma. In bioassays, this antiserum neutralizes chIFN-alpha, but not chIFN-beta, and can therefore be used to discriminate IFN alpha and IFN beta bioactivities, see Schwarz. Western Blotting detects a band of approximately 19kDa.

Specificity	IFNA3
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Chicken
Conjugate	Unconjugated
Applications	ELISA; FA; IP; WB
Format	Purified IgG - liquid
Size	500 μ g
Preservative	None

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.

GENE INFORMATION

Gene Name	IFNA3 interferon [Gallus gallus (chicken)]
Official Symbol	IFNA3
Synonyms	IFNA3; interferon; IFNA; IFNA1; IFNA2; IFNA6; IFN-alpha; IFN-gamma; interferon type A1/A2; IFN alpha; interferon alpha; interferon-alpha; interferon type A3;
Entrez Gene ID	396398
Protein Refseq	NP_990758
UniProt ID	P42165
Chromosome Location	chromosome: Z
Pathway	Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway; Herpes simplex infection; Influenza A; Jak-STAT signaling pathway; RIG-I-like receptor signaling pathway; Regulation of autophagy; Toll-like receptor signaling pathway;
Function	cytokine activity; cytokine receptor binding; type I interferon receptor binding;