

Rabbit anti-Rat interferon-alpha/IFNA5 Polyclonal Antibody | anti-IFNA5 antibody

Anti-interferon-alpha/IFNA5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257304	Rabbit	Rat	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

interferon-alpha/IFNA5; Polyclonal Antibody; Anti-interferon-alpha/IFNA5 Antibody; Rabbit Polyclonal; IFNA5/IFNaG Antibody; Rabbit PAb; Antigen Affinity Purified; interferon; alpha 5; Anti-IFNA5 Antibody; anti-IFNA5 antibody

PRODUCT SPECIFICATIONS

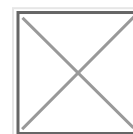
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat IFNA5/IFNaG
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IFNA5 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat IFNA5/IFNaG protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat IFNA5/IFNaG. IFNA5/IFNaG specific IgG was purified by Rat IFNA5/IFNaG affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-IFNA5 rabbit polyclonal antibody at 1:500 dilution Lane A: MCF7 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 22 kDa Observed band size: 18 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)

rat IFNA5 was immunoprecipitated using: Lane A: 0.5 mg MCF-7 Whole Cell Lysate 0.5 uL anti-rat IFNA5 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-rat IFNA5 rabbit polyclonal antibody, at 1:500 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 20 kDa Observed band size: 20 kDa

**IHC (Immunohistochemistry)**

Immunochemical staining of rat IFNA5 in rat thymus with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of rat IFNA5 in rat lymph node with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-IFNA5 antibody	Interferon, alpha 5 (IFNA5) belongs to the alpha/beta interferon family. IFNA5 is the only IFNA subtype detected in normal liver, while a mixture of subtypes is observed in the liver tissue of patients with chronic hepatitis C. Interferons are produced by macrophages, IFN-alpha has antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. IFN-alpha, the first cytokine to be produced by recombinant DNA technology, has emerged as an important regulator of growth and differentiation, affecting cellular communication and signal transduction pathways as well as immunological control. Originally discovered as an antiviral substance, the efficacy of IFN-alpha in malignant, viral, immunological, angiogenic, inflammatory, and fibrotic diseases suggests a spectrum of interrelated pathophysiologies. IFN-alpha emerged as a prototypic tumor suppressor protein that represses the clinical tumorigenic phenotype in some malignancies capable of differentiation.
References	Lau JY, et al. (1993) Discrepancy between biochemical and virological responses to interferon-alpha in chronic hepatitis C. Lancet. 342(8881): 1208-9. Kessler DS, et al. (1990) Interferon-alpha regulates nuclear translocation and DNA-binding affinity of ISGF3, a multimeric transcriptional activator. Genes Dev. 4(10): 1753-65. Gutterman JU. Cytokine therapeutics: lessons from interferon alpha. Proc Natl Acad Sci U S A. 91(4): 1198-205.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/interferon-alpha-ifna5-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/257304>