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## IFNB1 Rabbit pAb

Catalog Number: bs-23733R

Target Protein: IFNB1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Rat (predicted:Mouse)

Predicted MW: 20 kDa

Source: KLH conjugated synthetic peptide derived from mouse IFNB1: 22-100/184.

Purification: affinity purified by Protein A

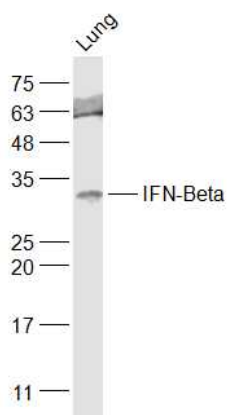
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes a cytokine that belongs to the interferon family of signaling proteins, which are released as part of the innate immune response to pathogens. The protein encoded by this gene belongs to the type I class of interferons, which are important for defense against viral infections. In addition, type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection. [provided by RefSeq, Sep 2015]

### VALIDATION IMAGES

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Sample: Lung (Rat) Lysate at 40 ug Primary: Anti-IFN-Beta (bs-23733R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 20 kD Observed band size: 32 kD

## PRODUCT SPECIFIC PUBLICATIONS

[IF=6.107] Nan Zang. et al. cGAS-STING Activation by Cytosolic Mitochondrial DNA Contributes to Podocyte Injury in Diabetic Kidney Disease. ISCIENCE. 2022 Sep;:105145 WB ; Mouse . 36176590

[IF=5.191] Huiqing Hu. et al. cGAS-STING mediates cytoplasmic mitochondrial-DNA-induced inflammatory signal transduction during accelerated senescence of pancreatic  $\beta$ -cells induced by metabolic stress. Faseb J. 2022 May;36(5):e22266 WB ; Mouse . 35357035

[IF=3.871] H.Q. Hu. et al. The STING-IRF3 pathway is involved in lipotoxic injury of pancreatic  $\beta$  cells in type 2 diabetes. Mol Cell Endocrinol. 2020 Dec;518:110890 WB ; Mouse . 32781250