

IFN- γ (Q69) polyclonal antibody

Catalog: BS3486

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Interferon (IFN)- γ is an antiviral and antiparasitic agent produced by CD4⁺/CD8⁺ lymphocytes and natural killer cells that undergo activation by antigens, mitogens or alloantigens. IFN- γ production modulates T cell growth and differentiation and inhibits the growth of B cells. Synthesis of IFN- γ is inducible by IL-2, FGF and EGF. The active form of IFN- γ is a homodimer with each subunit containing six helices. The dimeric structure of human IFN- γ is stabilized by non-covalent interactions through the interface of the helices. IFN- γ translated precursor is 166 amino acids, including the 23 amino acid secretory sequence. Multiple forms exist due to variable glycosylation and under non-denaturing conditions due to dimers and tetramers.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 19 kDa

Swiss-Prot:

P01579

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IP: 1:50~1:200

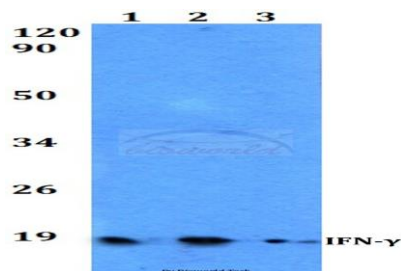
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

IFN- γ (Q69) polyclonal antibody detects endogenous levels of IFN- γ protein.

DATA:

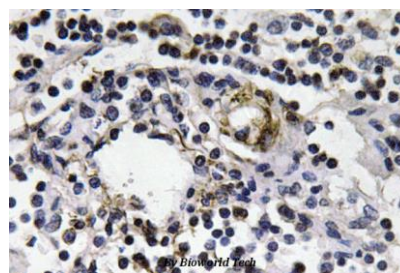


Western blot (WB) analysis of IFN- γ (Q69) polyclonal antibody at 1:500 dilution

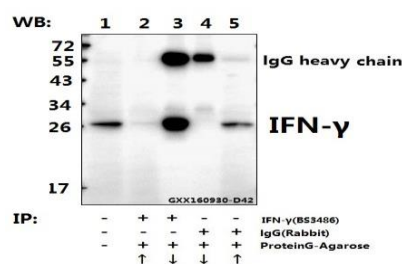
Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of IFN- γ (Q69) pAb in paraffin-embedded human lymph node tissue.



Immunoprecipitation of the Spleen tissue lysate of Rat using IFN- γ (Q69) pAb (Sepharose Bead Conjugate) #BD0047 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate) #BD0047 (lane 4 and lane 5). Lane 1 is 30% input. The western blot was probed using IFN- γ (Q69) pAb #BS3486. “↑” (supernatant); “↓” (deposition)

Note:

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PRODUCT DATA SHEET

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For research use only, not for use in diagnostic procedure.

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