

**Anti-Human  $\beta$ -NGF Antibody**  
Catalog # ABG10524**Specification****Anti-Human  $\beta$ -NGF Antibody - Product Information**

Application	<b>WB, IHC, E</b>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>

**Anti-Human  $\beta$ -NGF Antibody - Additional Information****Preparation**

Produced in mice using highly pure recombinant human  $\beta$ -NGF as the immunizing antigen. This IgG2<sub>k</sub> antibody was purified from cell culture by Protein G affinity chromatography.

**WesternBlot**

To detect Human  $\beta$ -NGF by Western Blot analysis this antibody can be used at a concentration of 4.0-8.0  $\mu$ g/ml. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Human  $\beta$ -NGF is 4.0-8.0 ng/lane, under reducing or non-reducing conditions.

**Sandwich**

In a sandwich ELISA (assuming 100 $\mu$ l/well), a concentration of 2.0-4.0  $\mu$ g/ml of this antibody will detect at least 200 pg/ml of recombinant Human  $\beta$ -NGF when used with BioGems's biotinylated antigen affinity purified anti-Human  $\beta$ -NGF (60-247BT) as the detection antibody at a concentration of approximately 0.5-1.0  $\mu$ g/ml.

**Immunohistochemistry**

This antibody stained formalin-fixed, paraffin-embedded sections of human pancreas adenocarcinoma. The recommended concentration is 2.5  $\mu$ g/mL with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 9.0 buffer is recommended. See photo(s). Optimal concentrations and conditions may vary.   
   
 *Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute. Information and photo are courtesy of Flagship Biosciences, LLC - Histology Services.*

**Neutralization**

To yield one-half maximal inhibition [ND<sub>50</sub>] of the biological activity of Human  $\beta$ -NGF (10.0 ng/ml), a concentration of 2.7 - 4.0  $\mu$ g/ml of this antibody is required.

**Formulation**

A sterile filtered antibody solution was lyophilized from PBS.

**Reconstitution**

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

**Storage**

-20°C

**Precautions**

Anti-Human  $\beta$ -NGF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-Human  $\beta$ -NGF Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Human  $\beta$ -NGF Antibody - Images**