# NGF (L82) polyclonal antibody

Catalog: BS3564 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

The prototype neurotrophin is nerve growth factor (NGF), originally discovered in the 1950s as a soluble peptide promoting the survival of, and neurite outgrowth from, sympathetic ganglia. Three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4) (also designated NT-5). These various neurotrophins stimulate the in vitro survival of distinct, but partially overlapping, populations of neurons. The cell surface receptors through which neurotrophins mediate their activity have been identified. For instance, the Trk A receptor is the preferential receptor for NGF, but also binds NT-3 and NT-4.

## Product:

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

## Molecular Weight:

~ 34 kDa

## Swiss-Prot:

P01138

## 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

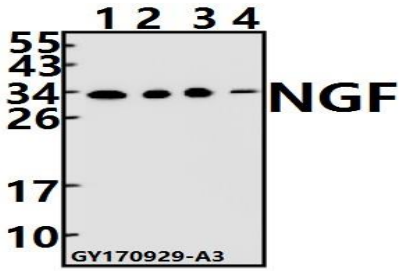
## Storage&Stability:

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

## Specificity:

NGF (L82) polyclonal antibody detects endogenous levels of Pro-NGF protein, this antibody does not cross-react with Mature-NGF.

## DATA:



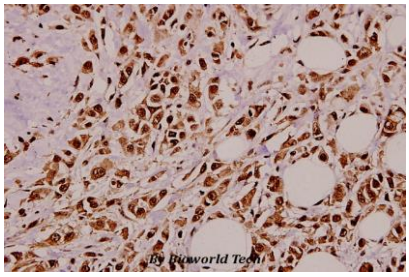

Western blot (WB) analysis of NGF (L82) pAb at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:Panc1 whole cell lysate(40ug)

Lane3:CT26 whole cell lysate(40ug)

Lane4:H9C2 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of NGF (L82) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

## Note:

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

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