BDNF RABBIT PAB

Cat.#: S213394

Product Name: Anti-BDNF Rabbit Polyclonal Antibody

Synonyms: ANON2, BULN2

UNIPROT ID: P23560 (Gene Accession - NP_001137282)

Background: The protein encoded by this gene is a member of the nerve growth factor family. It is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression of this gene is reduced in both Alzheimer's and Huntington disease patients. This gene may play a role in the regulation of stress response and in the biology of mood disorders. Multiple transcript variants encoding distinct isoforms have been described for this gene. During development, promotes the survival and differentiation of selected neuronal populations of the peripheral and central nervous systems. Participates in axonal growth, pathfinding and in the modulation of dendritic growth and morphology. Major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS.

Immunogen: Synthetic peptide of human BDNF

Applications: ELISA, IHC

Recommended Dilutions: IHC: 30-150; ELISA: 1000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

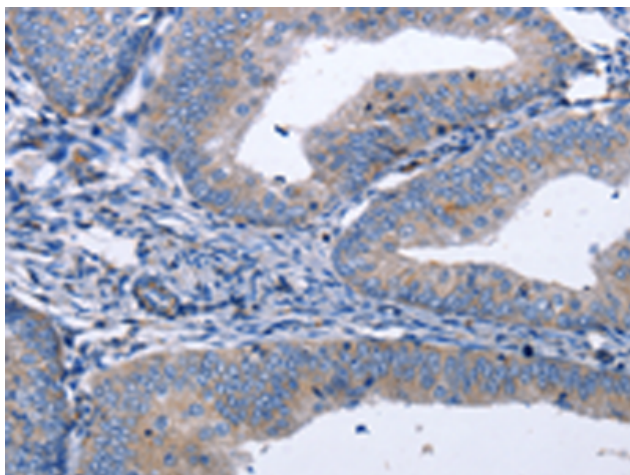**Isotype:** Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Neuroscience, Cardiovascular

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 213394(BDNF Antibody) at a dilution of 1/40(Cytoplasm).
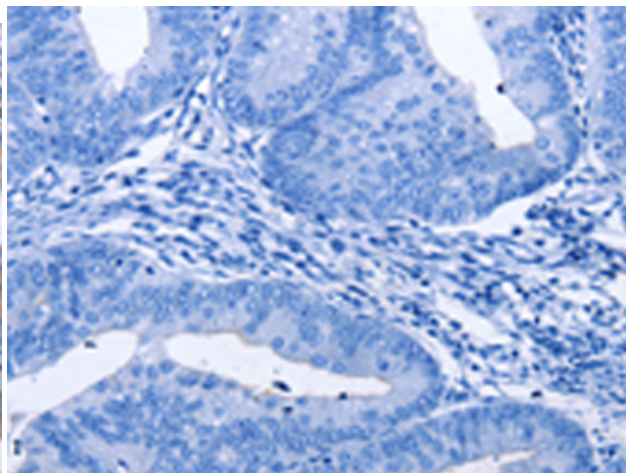
In comparision with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the synthetic peptide and then with 213394(Anti-BDNF Antibody) at dilution 1/40.
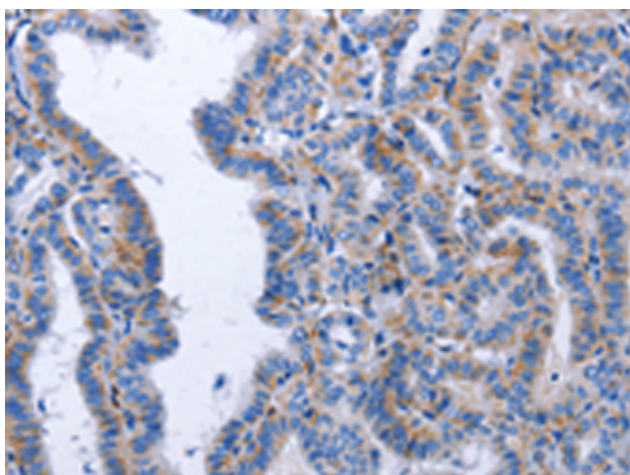
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 213394(Anti-BDNF Antibody) at a dilution of 1/40.
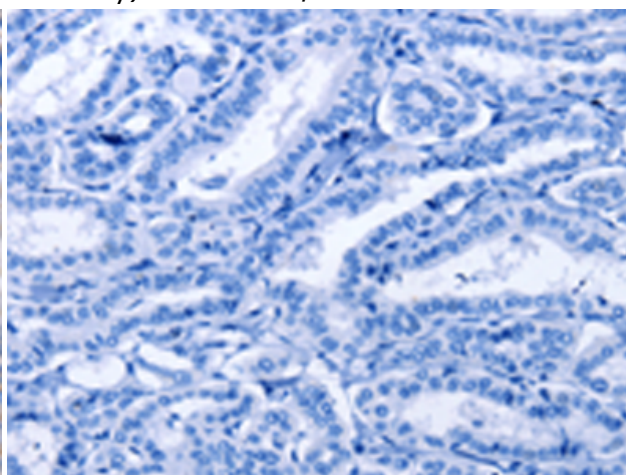
In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with synthetic peptide and then with D160119(Anti-BDNF Antibody) at dilution 1/40.