PPARGC1B RABBIT PAB

Cat.#: S220802

Product Name: Anti-PPARGC1B Rabbit Polyclonal Antibody

Synonyms: PERC; ERRL1; PGC1B; PGC-1(beta)

UNIPROT ID: Q86YN6 (Gene Accession - NP_001166169)

Background: The protein encoded by this gene stimulates the activity of several transcription factors and nuclear receptors, including estrogen receptor alpha, nuclear respiratory factor 1, and glucocorticoid receptor. The encoded protein may be involved in fat oxidation, non-oxidative glucose metabolism, and the regulation of energy expenditure. This protein is downregulated in prediabetic and type 2 diabetes mellitus patients. Certain allelic variations in this gene increase the risk of the development of obesity. Three transcript variants encoding different isoforms have been found for this gene.

Immunogen: Synthetic peptide of human PPARGC1B

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

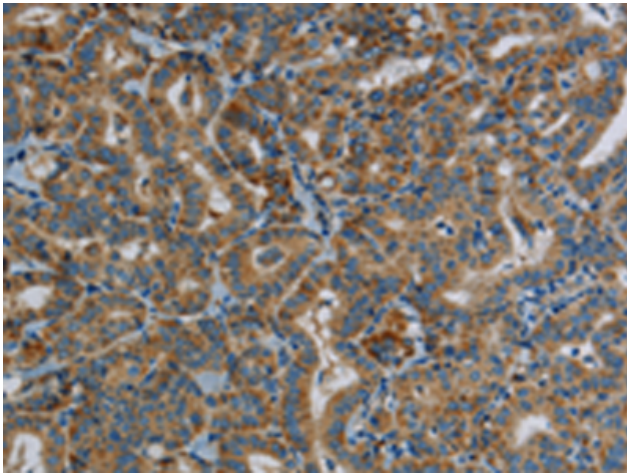**Isotype:** Immunogen-specific rabbit IgG

Purification: Antigen affinity purification
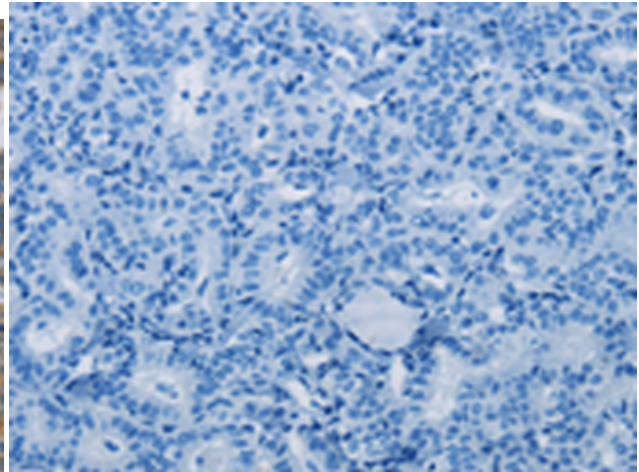
Species Reactivity: Human

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

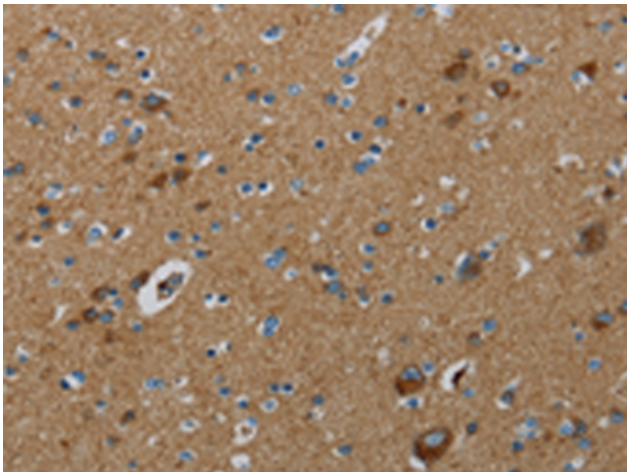**Research Areas:** Metabolism, Epigenetics and Nuclear Signaling, Cardiovascular

Storage & Shipping: Store at -20ºC. Avoid repeated freezing and thawing
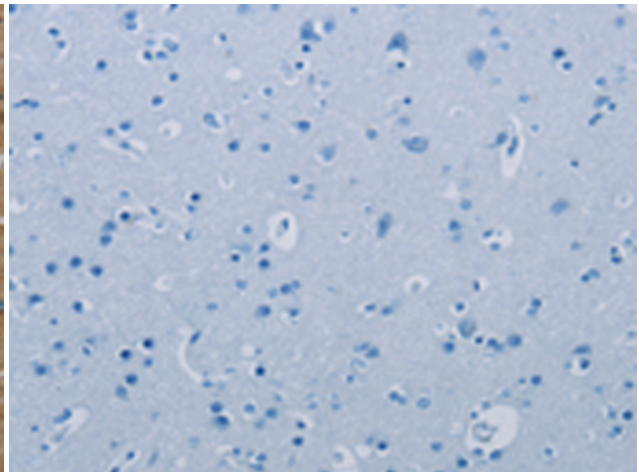
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 220802(PPARGC1B Antibody) at a dilution of 1/30(Cytoplasm).

In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the synthetic peptide and then with 220802(Anti-PPARGC1B Antibody) at dilution 1/30.

The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using 220802(Anti-PPARGC1B Antibody) at a dilution of 1/30.

In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with synthetic peptide and then with D262042(Anti-PPARGC1B Antibody) at dilution 1/30.