EDN3 RABBIT PAB

Cat.#: S211168

Product Name: Anti-EDN3 Rabbit Polyclonal Antibody

Synonyms: ET3; ET-3; WS4B; HSCR4; PPET3

UNIPROT ID: P14138 (Gene Accession - BC008876)

Background: The protein encoded by this gene is a member of the endothelin family. Endothelins are endothelium-derived vasoactive peptides involved in a variety of biological functions. The active form of this protein is a 21 amino acid peptide processed from the precursor protein. The active peptide is a ligand for endothelin receptor type B (EDNRB). The interaction of this endothelin with EDNRB is essential for development of neural crest-derived cell lineages, such as melanocytes and enteric neurons. Mutations in this gene and EDNRB have been associated with Hirschsprung disease (HSCR) and Waardenburg syndrome (WS), which are congenital disorders involving neural crest-derived cells. Four alternatively spliced transcript variants encoding three distinct isoforms have been observed.

Immunogen: Fusion protein of human EDN3

Applications: ELISA, IHC

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

Host Species: Rabbit

Clonality: Rabbit Polyclonal

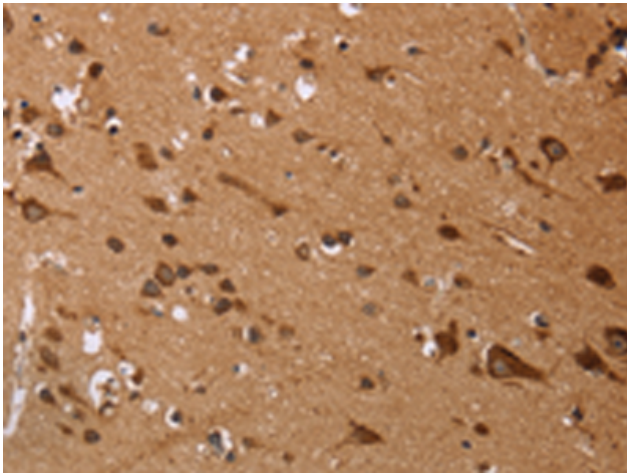**Isotype:** Immunogen-specific rabbit IgG

Purification: Antigen affinity purification
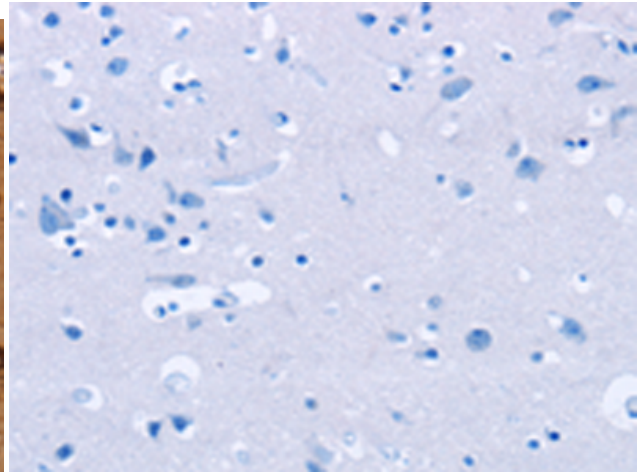
Species Reactivity: Human

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

**Research Areas:** Cardiovascular, Neuroscience

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

Immunohistochemistry analysis of paraffin embedded Human brain tissue using 211168(EDN3 Antibody) at a dilution of 1/50(Cytoplasm).

In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the fusion protein and then with 211168(Anti-EDN3 Antibody) at dilution 1/50.
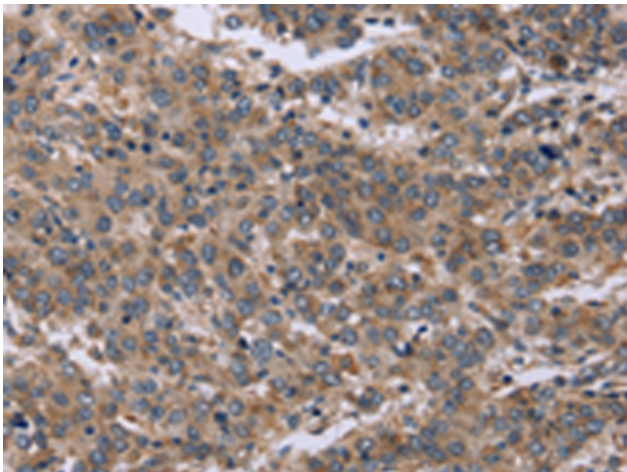
The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 211168(Anti-EDN3 Antibody) at a dilution of 1/50.
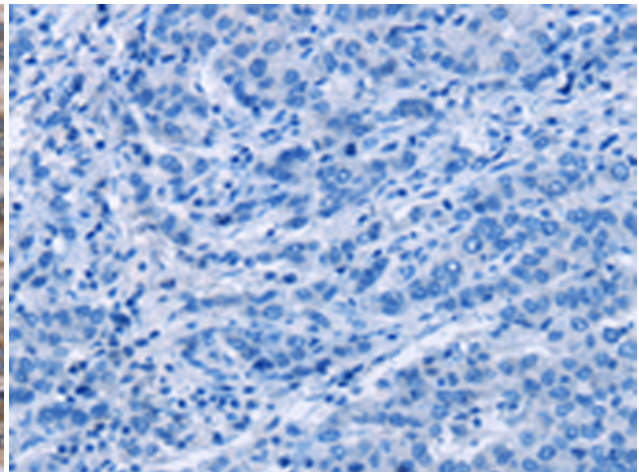
In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with fusion protein and then with D122319(Anti-EDN3 Antibody) at dilution 1/50.