# APLN RABBIT PAB

**Cat.#:** S221166

**Product Name:** Anti-APLN Rabbit Polyclonal Antibody

**Synonyms:** APEL; XNPEP2

**UNIPROT ID:** Q9ULZ1 (Gene Accession - NP_059109 )

**Background:** This gene encodes a peptide that functions as an endogenous ligand for the G-protein coupled apelin receptor. The encoded preproprotein is proteolytically processed into biologically active C-terminal peptide fragments. These peptide fragments activate different tissue specific signaling pathways that regulate diverse biological functions including fluid homeostasis, cardiovascular function and insulin secretion. This protein also functions as a coreceptor for the human immunodeficiency virus 1.

**Immunogen:** Synthetic peptide of human APLN

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 50-200; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

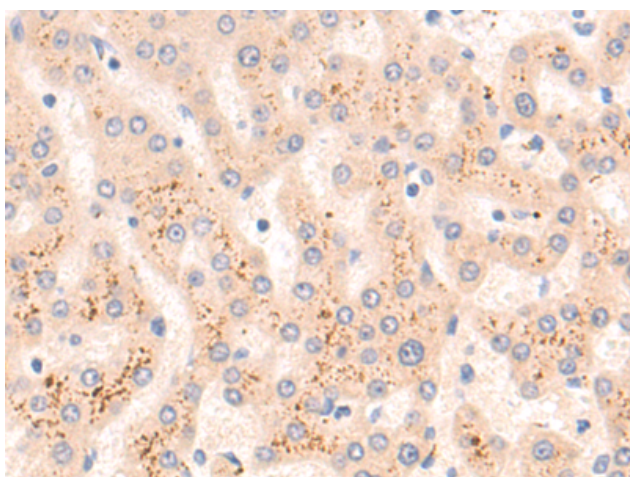**Isotype:** Immunogen-specific rabbit IgG

**Purification:** Antigen affinity purification

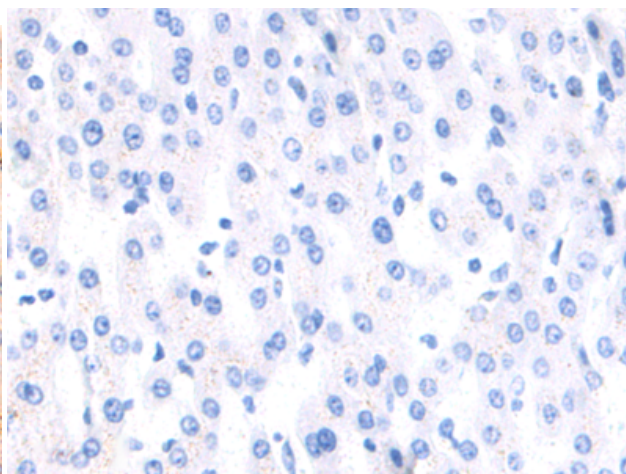**Species Reactivity:** Human, Mouse, Rat

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

**Research Areas:** Signal Transduction, Metabolism, Neuroscience, Cardiovascular

**Storage & Shipping:** Store at -20ºC. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221166(APLN Antibody) at a dilution of 1/50(Secreted).

In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 221166(Anti-APLN Antibody) at dilution 1/50.