

ABCD1 RABBIT PAB

Cat.#: S221471

Product Name: Anti-ABCD1 Rabbit Polyclonal Antibody

Synonyms: ALD; AMN; ALDP; ABC42

UNIPROT ID: P33897 (Gene Accession - NP_000024)

Background: The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. This peroxisomal membrane protein is likely involved in the peroxisomal transport or catabolism of very long chain fatty acids. Defects in this gene have been identified as the underlying cause of adrenoleukodystrophy, an X-chromosome recessively inherited demyelinating disorder of the nervous system.

Immunogen: Synthetic peptide of human ABCD1

Applications: ELISA, IHC

Recommended Dilutions: IHC: 60-450; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

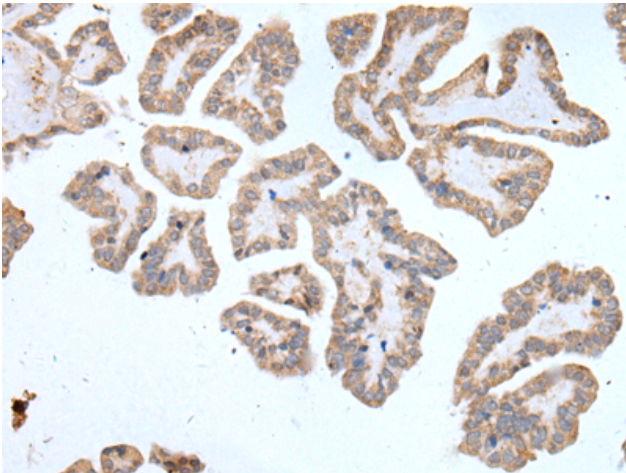
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

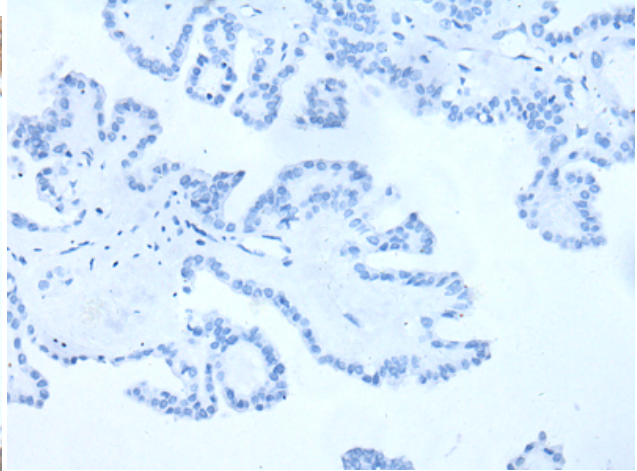
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Signal Transduction, Cancer

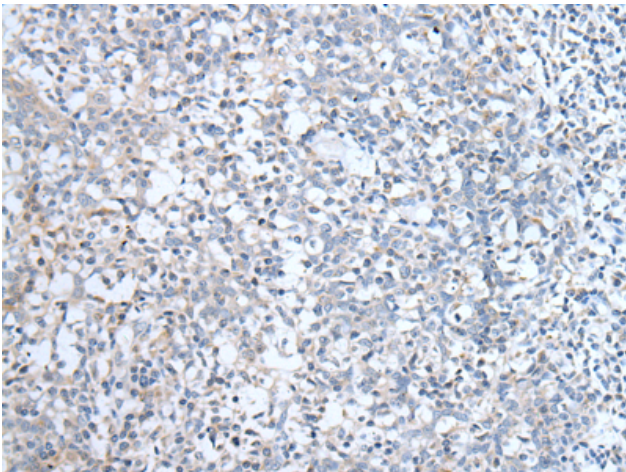
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



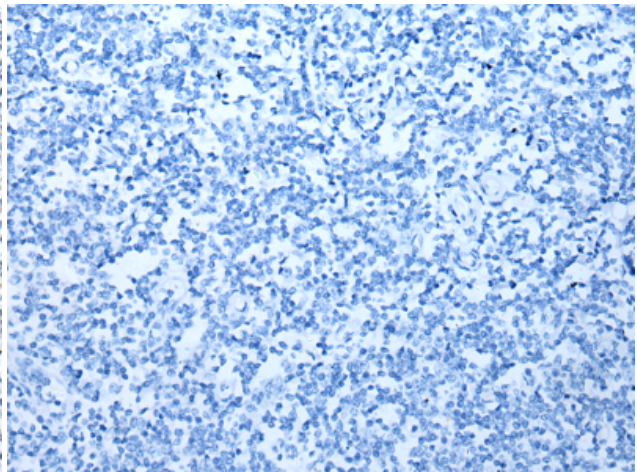
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 221471(ABCD1 Antibody) at a dilution of 1/80(Cell membrane).



In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the synthetic peptide and then with 221471(Anti-ABCD1 Antibody) at dilution 1/80.



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using 221471(Anti-ABCD1 Antibody) at a dilution of 1/80.



In comparison with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with synthetic peptide and then with D263080(Anti-ABCD1 Antibody) at dilution 1/80.