

DAGLA RABBIT PAB

Cat.#: S221878

Product Name: Anti-DAGLA Rabbit Polyclonal Antibody

Synonyms: NSDDR; C11orf11; DAGLALPHA; DAGL(ALPHA)

UNIPROT ID: Q9Y4D2 (Gene Accession - NP_006124)

Background: Members of the AB hydrolase superfamily have diverse catalytic functions and play a crucial role in the metabolism of lipids. DAGL α (diacylglycerol lipase alpha), also known as NSDDR or C11orf11, is a 1,042 amino acid multi-pass membrane protein that belongs to the AB hydrolase superfamily. Highly expressed in brain and pancreas, DAGL α uses calcium as a cofactor to catalyze the hydrolysis of diacylglycerol (DAG) to 2-arachidonoyl-glycerol (2-AG), a reaction that is required for axonal growth and for retrograde synaptic signaling at mature synapses. DAGL α functions as at optimal pH of 7 and its activity is inhibited by p-hydroxy-mercuri-benzoate and HgCl₂. The gene encoding DAGL α maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome.

Immunogen: Synthetic peptide of human DAGLA

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

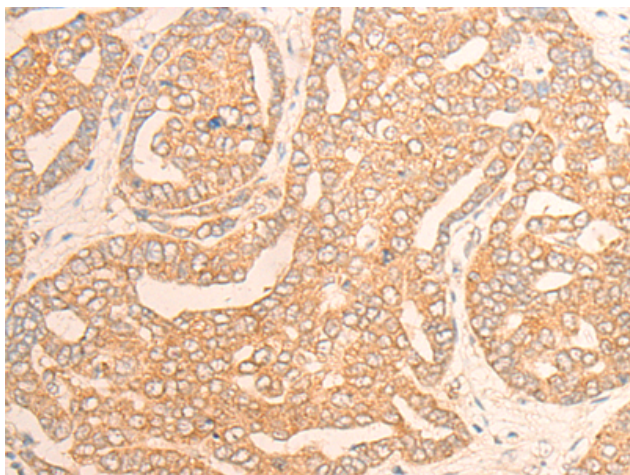
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

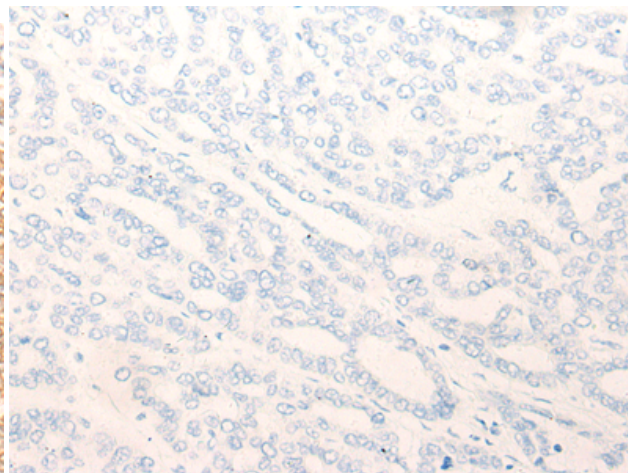
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Neuroscience, Cardiovascular

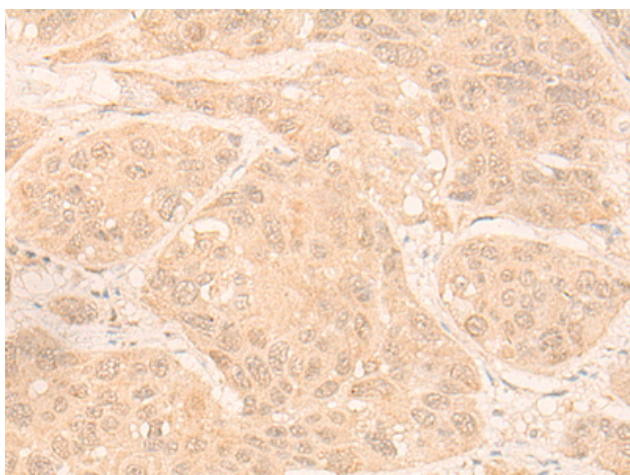
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



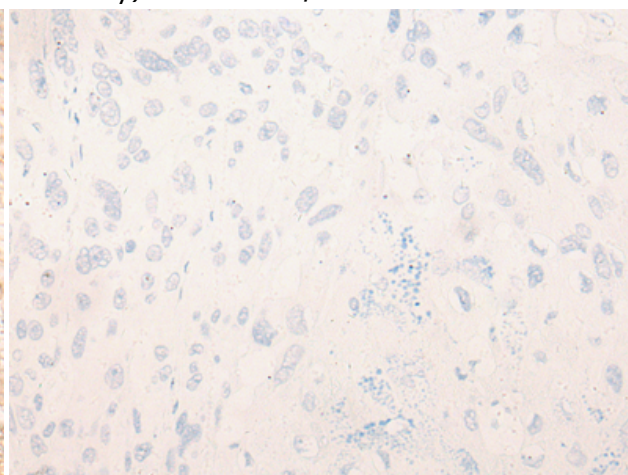
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221878(DAGLA Antibody) at a dilution of 1/20(Cytoplasm or Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 221878(Anti-DAGLA Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 221878(Anti-DAGLA Antibody) at a dilution of 1/20.



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with synthetic peptide and then with D263668(Anti-DAGLA Antibody) at dilution 1/20.