

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## DDHD1 RABBIT PAB

Cat.#: S215651

**Product Name:** Anti-DDHD1 Rabbit Polyclonal Antibody

Synonyms: SPG28; PAPLA1; PA-PLA1

**UNIPROT ID:** Q8NEL9 (Gene Accession - NP\_001153620)

**Background:** This gene is a member of the intracellular phospholipase AI gene family. The protein encoded by this gene preferentially hydrolyzes phosphatidic acid. It is a cytosolic protein with some mitochondrial localization, and is thought to be involved in the regulation of mitochondrial dynamics. Overexpression of this gene causes fragmentation of the tubular structures in mitochondria, while depletion of the gene results in mitochondrial tubule elongation. Deletion of this gene in male mice caused fertility defects, resulting from disruption in the organization of the mitochondria during spermiogenesis. In humans, mutations in this gene have been associated with hereditary spastic paraplegia (HSP), also known as Strumpell-Lorrain disease, or, familial spastic paraparesis (FSP). This inherited disorder is characterized by progressive weakness and spasticity of the legs. Alternative splicing results in multiple transcript variants encoding different isoforms.

Immunogen: Synthetic peptide of human DDHD1

Applications: ELISA, IHC

Recommended Dilutions: IHC: 20-100; ELISA: 5000-10000

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

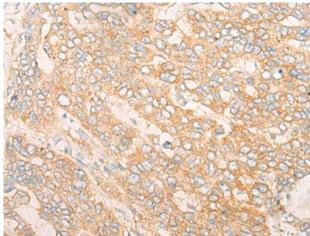
Research Areas: Metabolism

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

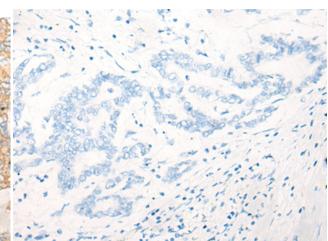


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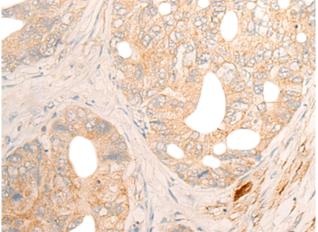
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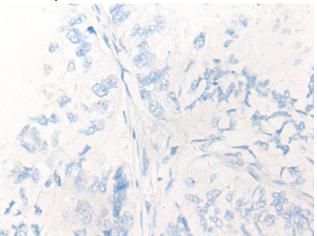
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 215651(DDHD1 Antibody) at a dilution of 1/20(Cytoplasm and Cell membrane).



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 215651(Anti-DDHD1 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffinembedded Human gastric cancer tissue using 215651(Anti-DDHD1 Antibody) at a dilution of 1/20.



In comparision with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with synthetic peptide and then with D163681(Anti-DDHD1 Antibody) at dilution 1/20.