

Product datasheet for **TA372400**

DDHD1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Hela and Raji cell lysates IHC: 20-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm and Cell membrane
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human DDHD1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	100 kDa
Gene Name:	DDHD domain containing 1
Database Link:	Entrez Gene 80821 Human Q8NEL9



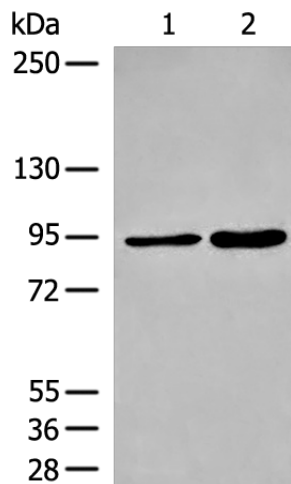
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Background:

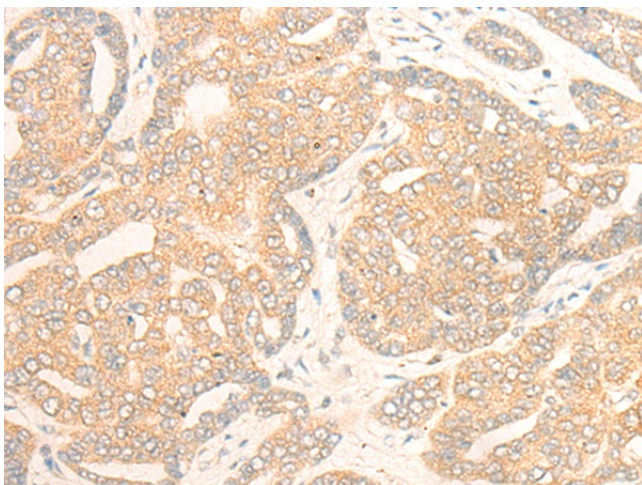
This gene is a member of the intracellular phospholipase A1 gene family. The protein encoded by this gene preferentially hydrolyzes phosphatidic acid. It is a cytosolic protein with some mitochondrial localization, and is thought to be involved in the regulation of mitochondrial dynamics. Overexpression 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.

Synonyms:

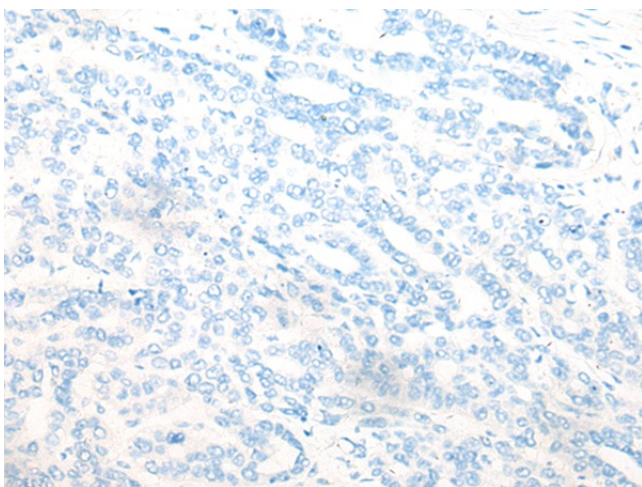
FLJ34209; FLJ42555; KIAA1705; PA-PLA1

Product images:

Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane 1-2: HeLa and Raji cell lysates
Primary antibody: TA372400 (DDHD1 Antibody)
at dilution 1/250
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 90 seconds



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA372400 (DDHD1 Antibody) at dilution 1/20 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA372400 (DDHD1 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: $\times 200$)