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Product datasheet for TA321442

Hsp60 (HSPD1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-150 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 300 amino acids of human heat shock 60kDa protein 1 (chaperonin)
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	heat shock protein family D (Hsp60) member 1
Database Link:	NP_002147 Entrez Gene 15510 MouseEntrez Gene 63868 RatEntrez Gene 3329 Human P10809
Background:	This gene encodes a member of the chaperonin family. The encoded mitochondrial protein may function as a signaling molecule in the innate immune system. This protein is essential for the folding and assembly of newly imported proteins in the mitochondria. This gene is adjacent to a related family member and the region between the 2 genes functions as a bidirectional promoter. Several pseudogenes have been associated with this gene. Two transcript variants encoding the same protein have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 13.

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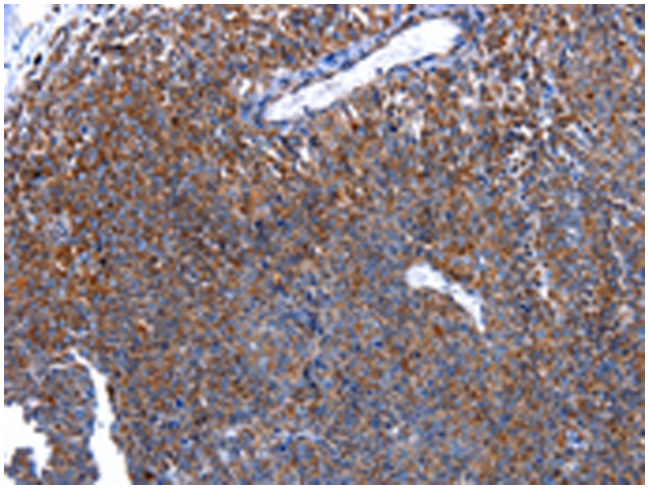
Synonyms: CPN60; GROEL; HLD4; HSP-60; HSP60; HSP65; HuCHA60; SPG13

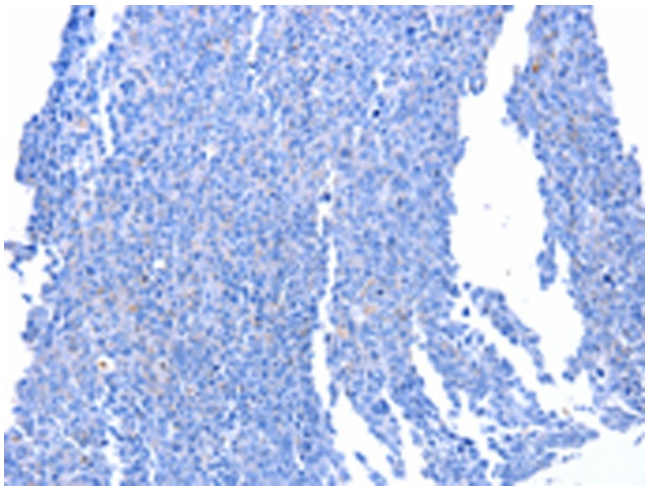
Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: RNA degradation, Type I diabetes mellitus

Product images:



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321442 (HSPD1 Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA321442 (HSPD1 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)