

HSP60/HSPD1 Rabbit mAb

Catalog No.: A0564

Recombinant

8 Publications

Basic Information

Observed MW

60kDa

Calculated MW

61kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0260

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.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

3329

Swiss Prot

P10809

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 350-450 of human HSP60/HSPD1 (P10809).

Synonyms

HLD4; CPN60; GROEL; HSP60; HSP65; SPG13; HSP-60; HuCHA60; HSP60/HSPD1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

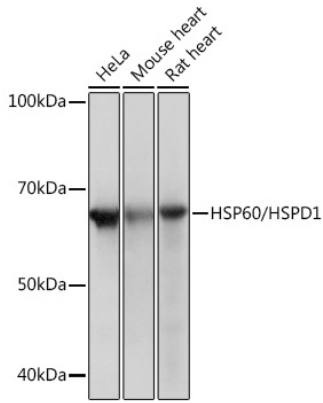
Affinity purification

Storage

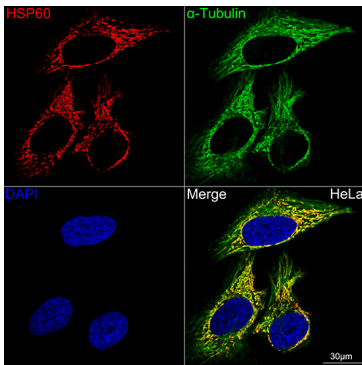
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

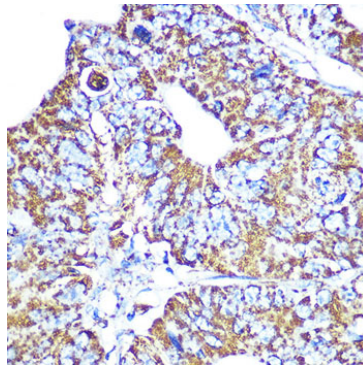
Validation Data



Western blot analysis of various lysates using HSP60/HSPD1 Rabbit mAb (A0564) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Confocal imaging of HeLa cells using HSP60/HSPD1 Rabbit mAb (A0564, dilution 1:100) (Red). The cells were counterstained with alpha-Tubulin Rabbit mAb (AC049, dilution 1:100) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using HSP60/HSPD1 Rabbit mAb (A0564) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.