

HSP60 Polyclonal Antibody

Catalog Number PA5-12484

Product data sheet

| Details | | Species Reactivity | |
|--------------------|---|---|--------------------|
| Size | 400 µL | Species reactivity | Human |
| Host/Isotope | Rabbit / IgG | Published species | Human |
| Class | Polyclonal | Tested Applications | |
| Type | Antibody | Western Blot (WB) | Dilution * 1:1,000 |
| Immunogen | KLH conjugated synthetic peptide between 187-215 amino acids from the central region of human HSPD1 | Immunocytochemistry (ICC/IF) | 1:10-1:50 |
| Conjugate | Unconjugated | <div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div> | |
| Form | Liquid | | |
| Concentration | 1 mg/mL | | |
| Purification | Size-exclusion - Dialysis, Ammonium sulfate precipitation | | |
| Storage buffer | PBS | | |
| Contains | 0.09% sodium azide | | |
| Storage Conditions | -20° C, Avoid Freeze/Thaw Cycles | | |

Product specific information

This antibody is predicted to react with bovine, chicken, hamster, mouse and rat based on sequence homology.

Background/Target Information

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.

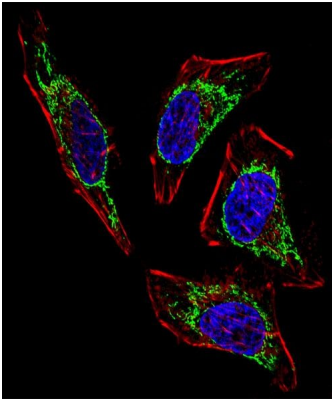
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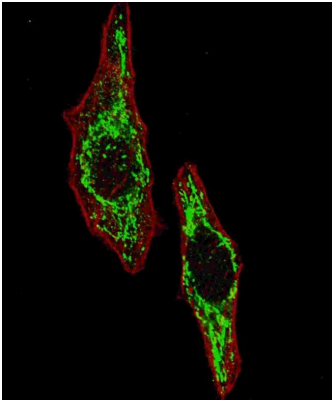
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Product Images For HSP60 Polyclonal Antibody



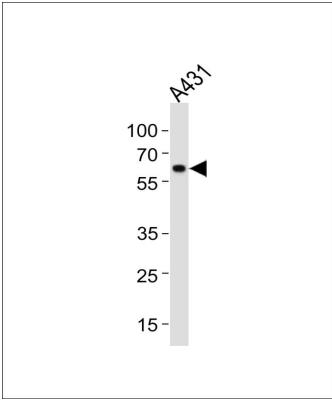
HSP60 Antibody (PA5-12484) in ICC/IF

Immunofluorescent analysis of HeLa cells using a HSP60/Heat Shock Protein 60 polyclonal antibody (Product # PA5-12484). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with a HSP60/Heat Shock Protein 60 polyclonal antibody (Product # PA5-12484) (1:25, 1 hr at 37°C). Primary antibody was detected with fluor-conjugated donkey anti-rabbit secondary antibody (green) at 1:400 dilution for 50 min at 37°C). Actin filaments have been labeled with dye-conjugated phalloidin (red). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min).



HSP60 Antibody (PA5-12484) in ICC/IF

Immunofluorescent analysis of U251 cells using a HSP60/Heat Shock Protein 60 polyclonal antibody (Product # PA5-12484). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with a HSP60/Heat Shock Protein 60 polyclonal antibody (Product # PA5-12484) (1:100, 2 hr at room temperature). Primary antibody detected by fluor-conjugated donkey anti-rabbit secondary antibody (green) was used (1:1000, 1hr). Cytoplasmic actin was counterstained with red dye conjugated phalloidin (5.25 uM, 25 min).



HSP60 Antibody (PA5-12484) in WB

Western blot analysis using a HSP60/Heat Shock Protein 60 polyclonal antibody (Product # PA5-12484) in A431 cells lysates (35 µg per lane).

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