

## ARG55957 anti-Hsp 60 antibody [LK2]

Package: 50 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody [LK2] recognizes Hsp 60   |
| Tested Reactivity   | Hu  |
| Tested Application  | ICC/IF, WB  |
| Host                | Mouse   |
| Clonality           | Monoclonal  |
| Clone               | LK2   |
| Isotype             | IgG1, kappa   |
| Target Name         | Hsp 60  |
| Species             | Human   |
| Immunogen           | Recombinant Human Hsp60 protein.  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | Heat shock protein 60; HuCHA60; 60 kDa heat shock protein, mitochondrial; GROEL; P60 lymphocyte protein; 60 kDa chaperonin; HSP-60; Mitochondrial matrix protein P1; HLD4; SPG13; HSP60; Chaperonin 60; Hsp60; CPN60; HSP65 |

### Application Instructions

| Application table | Application  | Dilution    |
|-------------------|--|-------------|
|                   | ICC/IF   | 2 - 5 µg/ml |
|                   | WB   | 1 - 2 µg/ml |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |             |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purification with Protein G.   |
| Buffer              | PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA   |
| Preservative        | 0.05% Sodium azide   |
| Stabilizer          | 0.1 mg/ml BSA  |
| Concentration       | 0.2 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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|                       |   |
|-----------------------|---|
| Database links        | <a href="#">GeneID: 3329 Human</a><br><a href="#">Swiss-port # P10809 Human</a>   |
| Gene Symbol           | HSPD1   |
| Gene Full Name        | heat shock 60kDa protein 1 (chaperonin)   |
| 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. [provided by RefSeq, Jun 2010] |
| Function              | Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix. [UniProt]  |
| Research Area         | Controls and Markers antibody; Signaling Transduction antibody; Mitochondrial Marker antibody   |
| Calculated Mw         | 61 kDa  |
| Cellular Localization | Mitochondria in cytoplasm   |