

## ARG65733 anti-Hsp 60 antibody

Package: 100 µg, 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Hsp 60
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Hsp 60
Species	Human
Immunogen	Synthetic peptide around aa. 480-560 (C-terminus) of Human Hsp60.
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

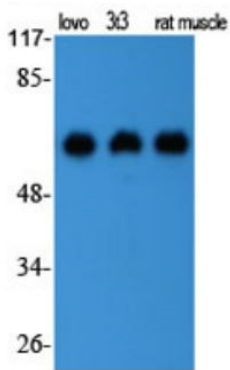
Application table	Application	Dilution
	ICC/IF	1:100 - 1:500
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 0.5% BSA and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA, 50% Glycerol
Concentration	1 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. 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.

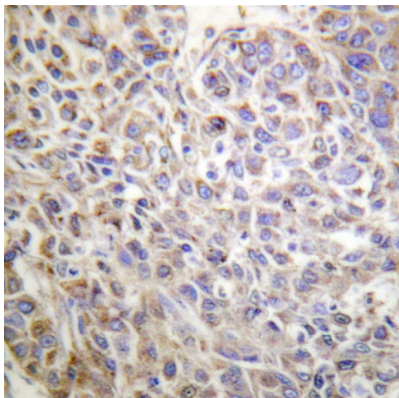
Note	For laboratory research only, not for drug, diagnostic or other use.
<b>Bioinformation</b>	
Gene Symbol	HSPD1
Gene Full Name	heat shock 60kDa protein 1 (chaperonin)
Background	This gene encodes a member of the chaperonin family. The encoded mitochondrial protein may function as a signaling molecule 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

Images



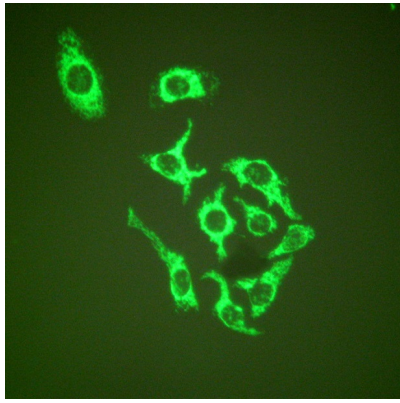
ARG65733 anti-Hsp 60 antibody WB image

Western blot: LOVO, NIH-3T3, and Rat muscle cell lysates (left to right) stained with ARG65733 anti-Hsp 60 antibody.



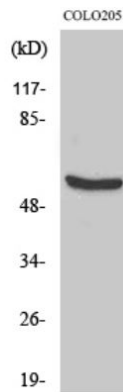
ARG65733 anti-Hsp 60 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung carcinoma tissue stained wih ARG65733 anti-Hsp 60 antibody at 1:50 dilution.



ARG65733 anti-Hsp 60 antibody ICC/IF image

Immunocytochemistry: HepG2 cells stained with ARG65733 anti-Hsp 60 antibody at 1:100 dilution.



ARG65733 anti-Hsp 60 antibody WB image

Western blot: COLO205 cells stained with ARG65733 anti-Hsp 60 antibody.