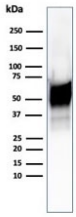
Recombinant HSP60 Antibody [clone HSPD1/6496R] (V9279)

Catalog No.	Formulation	Size
V9279-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9279-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9279SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

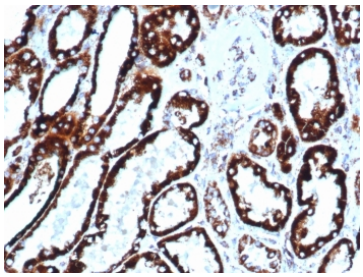
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	HSPD1/6496R
Purity	Protein A/G affinity
UniProt	P10809
Localization	Cytoplasm
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant HSP60 antibody is available for research use only.



Western blot testing of human Hep2 cell lysate using recombinant HSP60 antibody (clone HSPD1/6496R). Predicted molecular weight: ~60 kDa.



IHC staining of FFPE human liver tissue with recombinant HSP60 antibody (clone HSPD1/6496R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Recognizes a 60kDa protein, identified as the heat shock protein 60 (hsp60). Its epitope is localized between aa 383-447 of human hsp60. A wide variety of environmental and pathophysiological stressful conditions trigger the synthesis of a family of proteins known as heat shock proteins (hsp s), more appropriately called as stress response proteins (srp s). hsp60 is a potential antigen in a number of autoimmune diseases. In human arthritis and in experimentally induced arthritis in animals, disease development coincides with the development of immune reactivity directed against not only bacterial hsp60, but also against its mammalian homolog. Clone HSPD1/6496R, unlike clone LK2, recognizes only the mammalian (not bacterial) hsp60 and is useful in distinguishing hsp60 from mammals and bacteria.

For a recombinant, Protein Microarray Validated option with broad mammalian species validation, see our HSP60 Antibody / Heat Shock Protein 60 Antibody page.

Application Notes

Optimal dilution of the recombinant HSP60 antibody should be determined by the researcher.

Immunogen

Recombinant human full-length HSP60 protein was used as the immunogen for the recombinant HSP60 antibody. Its epitope is localized between amino acids 383-447 of human hsp60.

Storage

Aliquot the recombinant HSP60 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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