

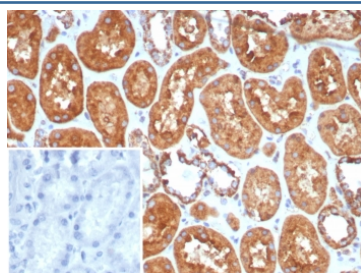
HSP60 Antibody / HSPD1 [clone HSPD1/8406R] (V4932)

Catalog No.	Formulation	Size
V4932-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4932-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4932SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

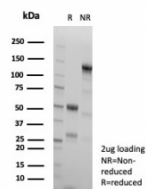
Recombinant **RABBIT MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	HSPD1/8406R
Purity	Protein A/G affinity
UniProt	P10809
Localization	Mitochondria
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This HSP60 antibody is available for research use only.



IHC staining of FFPE human kidney tissue with HSP60 antibody (clone HSPD1/8406R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free HSP60 antibody (clone HSPD1/8406R) as confirmation of integrity and purity.

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 HSPD1/8406R, unlike LK2, recognizes only the mammalian (not bacterial) hsp60 and is useful in distinguishing hsp60 from mammals and bacteria.

Application Notes

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

Immunogen

Recombinant human full-length HSP60 protein was used as the immunogen for the HSP60 antibody.

Storage

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