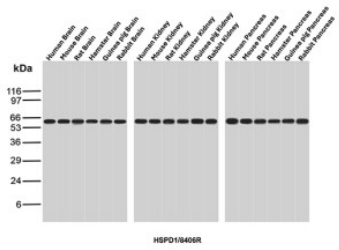
HSP60 Antibody HSPD1/8406R / HSPD1 [clone HSPD1/8406R] (V4932)

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

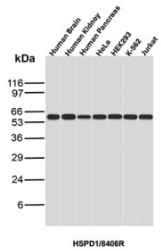
Recombinant RABBIT MONOCLONAL

Bulk quote request

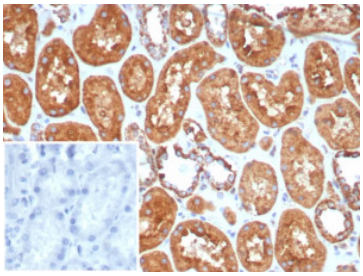
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Hamster, Rabbit, Guinea pig
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	HSPD1/8406R
Purity	Protein A/G affinity
UniProt	P10809
Localization	Mitochondria
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (Human) Western blot: 2-4ug/ml (Human/Mouse/Rat/Hamster/Rabbit/Guinea pig)
Limitations	This HSP60 Antibody HSPD1/8406R is available for research use only.



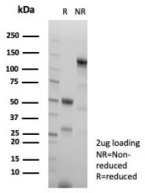
HSP60 Antibody HSPD1/8406R Multi-Species Tissue Expression WB. Western blot testing of brain, kidney and pancreas tissue lysates from human, mouse, rat, hamster, guinea pig and rabbit with HSP60 Antibody clone HSPD1/8406R shows a strong, specific band at approximately 60 kDa across all tested samples. The observed band is consistent with the expected molecular weight of HSPD1 and demonstrates broad recognition of HSP60 across multiple mammalian species and tissue types.



HSP60 Antibody HSPD1/8406R in Human Tissues and Cancer Cell Lines WB. Western blot testing of human brain, kidney and pancreas tissue lysates and HeLa cervical cancer, HEK293, K-562 myelogenous leukemia and Jurkat T-cell leukemia cell lysates with HSP60 Antibody clone HSPD1/8406R shows a strong, specific band at approximately 60 kDa across all samples. The observed band is consistent with the expected molecular weight of HSPD1 and demonstrates robust HSP60 detection across the tested human tissues and cell lines.



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.

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 HSP60 Antibody HSPD1/8406R 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.

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