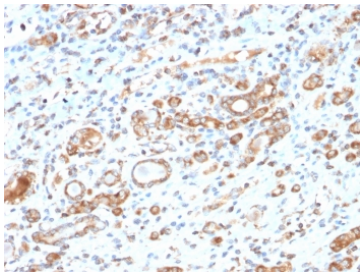
Recombinant HSP60 Antibody HSPD1/2206R / Rabbit Monoclonal [clone HSPD1/2206R] (V3575)

Catalog No.	Formulation	Size
V3575-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3575-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3575SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3575IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

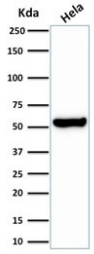
Recombinant RABBIT MONOCLONAL

Bulk quote request

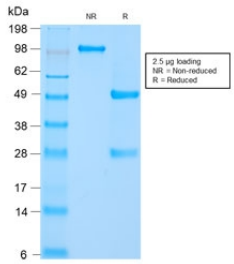
Availability	1-3 business days
Species Reactivity	Human, Dog, Mouse, Rat, Hamster, Rabbit, Guinea pig
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	HSPD1/2206R
Purity	Protein A affinity chromatography
UniProt	P10809
Localization	Cytoplasm (mitochondria)
Applications	Western blot: 1-2ug/ml (Human/Mouse/Rat/Hamster/Rabbit/Guinea pig) Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This recombinant HSP60 antibody is available for research use only.



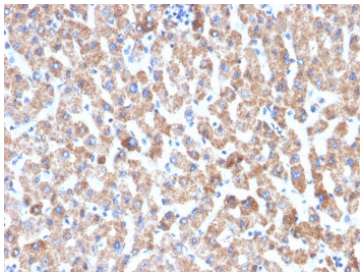
IHC testing of FFPE human liver tissue with recombinant HSP60 antibody (clone HSPD1/2206R). HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



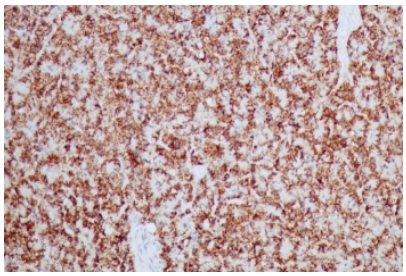
Western blot testing of human HeLa lysate with recombinant HSP60 antibody (clone HSPD1/2206R). Predicted molecular weight: ~60 kDa.



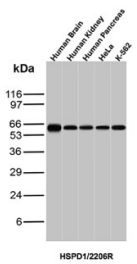
SDS-PAGE analysis of purified, BSA-free recombinant HSP60 antibody (clone HSPD1/2206R) as confirmation of integrity and purity.



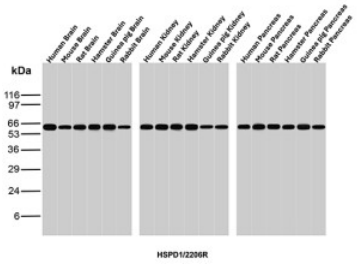
IHC testing of FFPE human liver tissue with recombinant HSP60 antibody (clone HSPD1/2206R). HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE dog pancreas tissue with recombinant HSP60 antibody (clone HSPD1/2206R). HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



Recombinant HSP60 Antibody HSPD1/2206R in Human Tissues and Cancer Cell Lines WB. Western blot testing of human brain, kidney and pancreas tissue lysates and HeLa cervical cancer and K-562 myelogenous leukemia cell lysates with Recombinant HSP60 Antibody clone HSPD1/2206R 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.



Recombinant HSP60 Antibody HSPD1/2206R 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 Recombinant HSP60 Antibody clone HSPD1/2206R 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.

Description

HSP60 has been 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]

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.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human protein was used as the immunogen for the recombinant HSP60 antibody.

Storage

Store the recombinant HSP60 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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