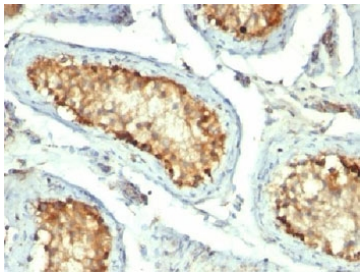
HSP60 Antibody / HSPD1 [clone GROEL/730] (V2597)

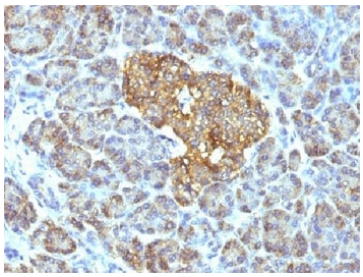
Catalog No.	Formulation	Size
V2597-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2597-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2597SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2597IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

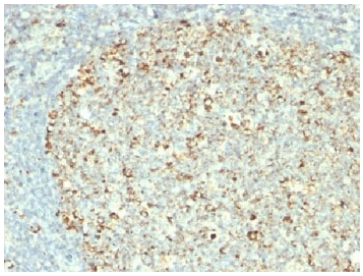
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	GROEL/730
Purity	Protein G affinity chromatography
UniProt	P10809
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This HSP60 antibody is available for research use only.



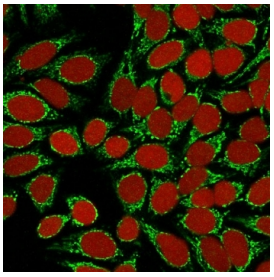
IHC testing of FFPE human testicular carcinoma with HSP60 antibody (clone GROEL/730).



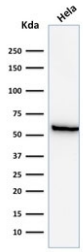
IHC testing of FFPE human pancreas with HSP60 antibody (clone GROEL/730).



IHC testing of FFPE human tonsil with HSP60 antibody (clone GROEL/730).



Immunofluorescent staining of MeOH-fixed human HeLa cells with HSP60 antibody (clone GROEL/730, green) and Reddot nuclear stain (red).



Western blot testing of human HeLa lysate with HSP60 antibody (clone GROEL/730). Predicted molecular weight: ~60 kDa.

Description

Recognizes a 60kDa protein, identified as the heat shock protein 60 (HSP60). A wide variety of environmental and pathophysiological stressful conditions trigger the synthesis of a family of proteins known as heat shock proteins (hsps), more appropriately called as stress response proteins (srps). 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.

Application Notes

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

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min
2. 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 HSP60 antibody.

Storage

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