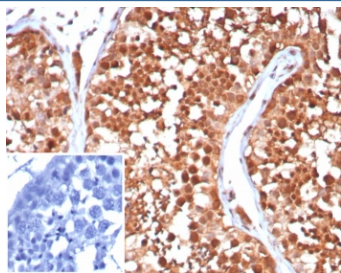


## HSP70-1A Antibody / Heat shock 70 kDa protein 1A [clone HSPA1A/7932] (V5142)

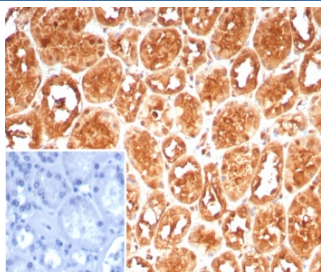
Catalog No.	Formulation	Size
V5142-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5142-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5142SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	HSPA1A/7932
Purity	Protein A/G affinity
UniProt	P0DMV8
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This HSP70-1A antibody is available for research use only.



IHC staining of FFPE human testis tissue with HSP70-1A antibody (clone HSPA1A/7932). 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.



IHC staining of FFPE human kidney tissue with HSP70-1A antibody (clone HSPA1A/7932). 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 HSP70-1A antibody (clone HSPA1A/7932) as confirmation of integrity and purity.

## Description

This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.  
[provided by RefSeq]

## Application Notes

Optimal dilution of the HSP70-1A antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 200-400) from the human protein was used as the immunogen for the HSP70-1A antibody.

## Storage

Aliquot the HSP70-1A antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.