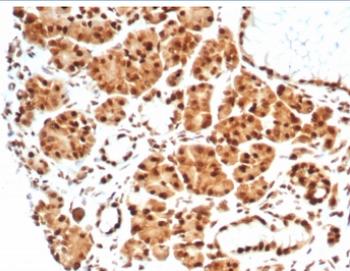


## Heat shock 70 kDa protein 1B Antibody / HSP70 / HSPA1B [clone HSPA1B/7628] (V5149)

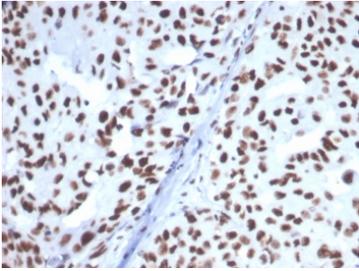
| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V5149-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5149-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V5149SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

### Bulk quote request

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                              |
| <b>Species Reactivity</b> | Human                                                                          |
| <b>Format</b>             | Purified                                                                       |
| <b>Host</b>               | Mouse                                                                          |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                                      |
| <b>Isotype</b>            | Mouse IgG1, lambda                                                             |
| <b>Clone Name</b>         | HSPA1B/7628                                                                    |
| <b>Purity</b>             | Protein A/G affinity                                                           |
| <b>UniProt</b>            | P0DMV9                                                                         |
| <b>Localization</b>       | Cytoplasm, Nucleus                                                             |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT                        |
| <b>Limitations</b>        | This Heat shock 70 kDa protein 1B antibody is available for research use only. |



IHC staining of FFPE human salivary gland tissue with Heat shock 70 kDa protein 1B antibody (clone HSPA1B/7628). 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 breast carcinoma tissue with Heat shock 70 kDa protein 1B antibody (clone HSPA1B/7628). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## 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 Heat shock 70 kDa protein 1B antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 400-600) from the human protein was used as the immunogen for the Heat shock 70 kDa protein 1B antibody.

## Storage

Aliquot the Heat shock 70 kDa protein 1B antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.