# Human Heat Shock 70kDa Protein 2 (HSPA2) RTU ELISA Kit | HSPA2 rtu elisa kit

Human Heat Shock 70kDa Protein 2 (HSPA2) ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA71256** | **Human** |

## PRODUCT SYNONYMS

Heat Shock 70kDa Protein 2 (HSPA2); Human Heat Shock 70kDa Protein 2 (HSPA2) ELISA Kit; HSP-A2; Heat shock-related 70 kDa protein 2; HSPA2 rtu elisa kit

## PRODUCT SPECIFICATIONS

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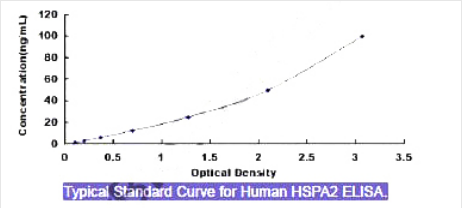
| **Reactivity** | Human |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of HSPA2. No significant cross-reactivity or interference between HSPA2 and analogues was observed. |
| **Sequence Length** | 639 |
| **Samples** | Human tissue homogenates or other biological fluids |
| **Assay Type** | Quantitative Sandwich |
| **Detection Range** | 1.56-100ng/mL |
| **Sensitivity** | < 0.69ng/mL |
| **Intra-assay Precision** | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSPA2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10% |
| **Inter-assay Precision** | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HSPA2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| **Preparation and Storage** | For unopened kits: All the reagents should be kept at 4 degree C upon receipt.<br>For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal. |

## IMAGES




**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for HSPA2 rtu elisa kit** | Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HSPA2 in human tissue homogenates or other biological fluids.<br><br>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSPA2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HSPA2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HSPA2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of HSPA2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 13676857 |
| **NCBI GeneID** | 3306 |
| **NCBI Accession #** | NP_068814.2 |
| **NCBI GenBank Nucleotide #** | NM_021979.3 |
| **UniProt Accession #** | P54652; Q15508; Q53XM3; Q9UE78 |
| **Molecular Weight** | 70,021 Da |
| **NCBI Official Full Name** | heat shock-related 70 kDa protein 2 |
| **NCBI Official Synonym Full Names** | heat shock protein family A (Hsp70) member 2 |
| **NCBI Official Symbol** | HSPA2 |
| **NCBI Official Synonym Symbols** | HSP70-2; HSP70-3 |
| **NCBI Protein Information** | heat shock-related 70 kDa protein 2 |
| **UniProt Protein Name** | Heat shock-related 70 kDa protein 2 |
| **UniProt Gene Name** | **HSPA2** |
| **UniProt Synonym Gene Names** | Heat shock 70 kDa protein 2 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/human-rtu-elisa-kits/heat-shock-70kda-protein-2-hspa2/71256