

## Product datasheet for **TA321707S**

### **HSP70-1A (HSPA1A) Rabbit Polyclonal Antibody**

#### **Product data:**

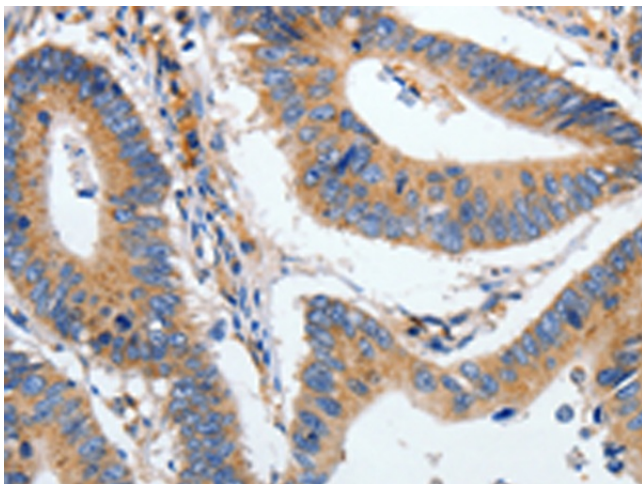
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC
<b>Recommended Dilution:</b>	IHC: 50-100 Positive control: Human colon cancer Predicted cell location: Cytoplasm
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Fusion protein corresponding to a region derived from 531-641 amino acids of human heat shock 70kDa protein 1A
<b>Formulation:</b>	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
<b>Purification:</b>	Antigen affinity purification
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	heat shock protein family A (Hsp70) member 1A
<b>Database Link:</b>	<a href="#">NP_005336</a> <a href="#">Entrez Gene 24472 Rat</a> <a href="#">Entrez Gene 193740 Mouse</a> <a href="#">Entrez Gene 3303 Human</a> <a href="#">P0DMV8</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	HEL-S-103; HSP70-1; HSP70-1A; HSP70.1; HSP70I; HSP72; HSPA1



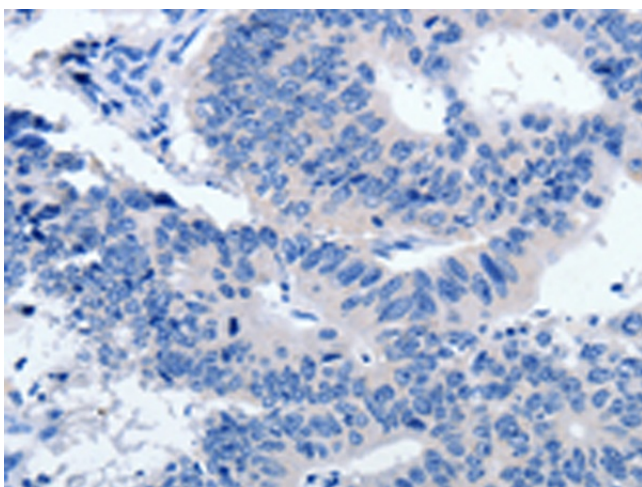
[View online »](#)

**Protein Pathways:** Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Prion diseases, Spliceosome

**Product images:**



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA321707] (HSPA1A Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA321707] (HSPA1A Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )