

## Rabbit HSP90AB1 Polyclonal Antibody | anti-HSP90AB1 antibody

HSP90AB1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA168749 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

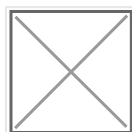
### PRODUCT SYNONYMS

HSP90AB1; Polyclonal Antibody; HSP90AB1 Antibody; D6S182; FLJ26984; HSP90-BETA; HSP90B; HSPC2; HSPCB; anti-HSP90AB1 antibody

### PRODUCT SPECIFICATIONS

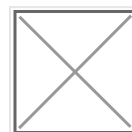
|                                                    |                                                                                           |
|----------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                    |
| Reactivity                                         | Human, Mouse, Rat                                                                         |
| Clonality                                          | Polyclonal                                                                                |
| Isotype                                            | IgG                                                                                       |
| Purity/Purification                                | Antigen affinity purification                                                             |
| Concentration                                      | 1mg/mL (varies by lot)                                                                    |
| Sequence Length                                    | 714                                                                                       |
| Applicable Applications for anti-HSP90AB1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                    |
| Immunogen                                          | Recombinant protein of human HSP90AB1                                                     |
| Buffer                                             | PBS with 0.02% sodium azide, 50% glycerol, pH7.3                                          |
| Santa Cruz Alternative                             | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-1057              |
| Preparation and Storage                            | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

### IMAGES



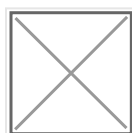
#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using HSP90AB1 antibody. Blue: DAPI for nuclear staining.



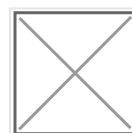
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat pancreas using HSP90AB1 antibody at dilution of 1:500 (200x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using HSP90AB1 antibody at dilution of 1:500 (200x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HSP90AB1 antibody.

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HSP90AB1 antibody | HSP70 and HSP90 are molecular chaperones expressed constitutively under normal conditions to maintain protein homeostasis and are induced upon environmental stress (1). Both HSP70 and HSP90 are able to interact with unfolded proteins to prevent irreversible aggregation and catalyze the refolding of their substrates in an ATP- and co-chaperone-dependent manner (1). HSP70 has a broad range of substrates including newly synthesized and denatured proteins, while HSP90 tends to have a more limited subset of substrates, most of which are signaling molecules. HSP70 and HSP90 often function collaboratively in a multi-chaperone system, which requires a minimal set of co-chaperones: HSP40, Hop, and p23 (2, 3). The co-chaperones either regulate the intrinsic ATPase activity of the chaperones or recruit chaperones to specific substrates or subcellular compartments (1, 4). When the ubiquitin ligase CHIP associates with the HSP70/HSP90 complex as a cofactor, the unfolded substrates are subjected to degradation by the proteasome (4). The biological functions of HSP70/HSP90 extend beyond their chaperone activity. They are essential for the maturation and inactivation of nuclear hormones and other signaling molecules (1, 3). They also play a role in vesicle formation and protein trafficking (2). |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 431822408                                                                                      |
| NCBI GeneID                      | 3326                                                                                           |
| NCBI Accession #                 | NP_001258901.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001271972.1                                                                                 |
| Molecular Weight                 | 83,264 Da                                                                                      |
| NCBI Official Full Name          | heat shock protein HSP 90-beta isoform c                                                       |
| NCBI Official Synonym Full Names | heat shock protein 90kDa alpha (cytosolic), class B member 1                                   |
| NCBI Official Symbol             | HSP90AB1                                                                                       |
| NCBI Official Synonym Symbols    | HSP84; HSPC2; HSPCB; D6S182; HSP90B                                                            |
| NCBI Protein Information         | heat shock protein HSP 90-beta; HSP90-beta; heat shock 84 kDa; heat shock 90kD protein 1, beta |
| UniProt Protein Name             | Heat shock protein HSP 90-beta                                                                 |
| UniProt Gene Name                | HSP90AB1                                                                                       |
| UniProt Synonym Gene Names       | HSP90B; HSPC2; HSPCB; HSP 90; HSP 84; HSP84                                                    |
| UniProt Entry Name               | HS90B_HUMAN                                                                                    |

**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/polyclonal/hsp90ab1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/168749>