

## HSP60 (T547) polyclonal antibody

Catalog: BS1179

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

HSPs (also known as molecular chaperones) fall into six general families: HSP 90, HSP 70, HSP 60, the low molecular weight HSPs, the immunophilins, and the HSP 110 family. The constitutively expressed mitochondrial protein HSP 60 shares the ability to recognize and stabilize proteins during folding, assembly and disassembly with other HSP family members. The mitochondrial and cytosolic localization of HSP 60, combined with its binding and catalysis of folding of newly synthesized proteins destined for the mitochondrial matrix, classify this protein as a molecular chaperone. An additional role of HSP 60 is to act as a cell surface marker for  $\gamma/\delta$  T cell recognition.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 60 kDa

### Swiss-Prot:

P10809

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

IP: 1:50~1:200

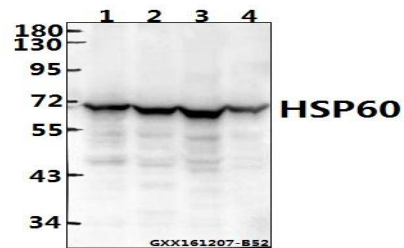
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

HSP60 (T547) polyclonal antibody detects endogenous levels of HSP60 protein.

### DATA:



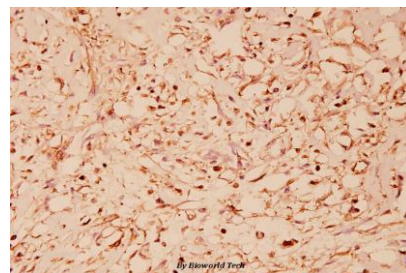
Western blot (WB) analysis of HSP60 (T547) polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate(40ug)

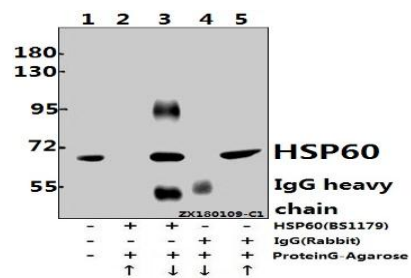
Lane2:L02 whole cell lysate(40ug)

Lane3:AML-12 whole cell lysate(40ug)

Lane4:C6 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of HSP60 (T547) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of L02 cell lysate using HSP60 (T547) pAb (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0047 (lane 4 and lane 5). Lane 1 is 30% input. The western blot was probed using HSP60 (T547) pAb #BS1179. "↑" (supernatant); "↓" (deposition)

### Note:

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

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For research use only, not for use in diagnostic procedure.

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