

## HSP10 (K80) polyclonal antibody

Catalog: BCP00907

Host: Rabbit

Reactivity: Human,Mouse,Rat

### BackGround:

The heat shock proteins (HSPs) comprise a group of highly conserved, abundantly expressed proteins with diverse functions, including the assembly and sequestering of multiprotein complexes, transportation of nascent polypeptide chains across cellular membranes and regulation of protein folding. Heat shock proteins (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 low molecular weight family includes HSP 10, HSP 20, HSP 27 (Heme Oxygenase 1), HSP 32 and HSP 40. Chaperonins are ubiquitous, indispensable proteins that facilitate protein folding in an ATP-dependent manner, enhancing the yield of properly folded substrate protein under conditions where spontaneous folding does not occur. Chaperonins are typified by the E. coli heat-shock proteins GroEL and GroES (HSP 10). HSP 10 is a heptameric ring of identical 10 kDa subunits that binds to each end of GroEL to form a symmetric, functional heterodimer.

### Product:

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

### Molecular Weight:

~ 10 kDa

### Swiss-Prot:

P61604

### 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

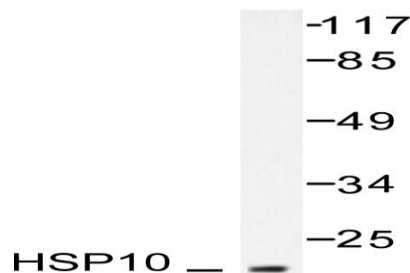
### Storage&Stability:

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

### Specificity:

HSP10 (K80) polyclonal antibody detects endogenous levels of HSP10 protein.

### DATA:



Western blot (WB) analysis of HSP10 (K80) pAb at 1:500 dilution

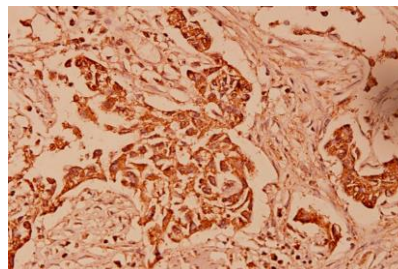
Lane1:A375 whole cell lysate(40ug)

Lane2:SGC7901 whole cell lysate(40ug)

Lane3:MCF-7 whole cell lysate(40ug)

Lane4:The Kidney tissue lysate of Mouse(40ug)

Lane5:The Kidney tissue lysate of Rat(40ug)



Immunohistochemistry (IHC) analyzes of HSP10 (K80) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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