

HSP40 (P303) polyclonal antibody

Catalog: BCP00915

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Heat shock protein 40 (HSP 40) family proteins bind to HSP 70 through their J-domain and regulate the function of HSP 70 by stimulating HSP 70 ATPase activity. HSP 40, also known as DnaJ, functions together with DnaK (HSP 70) and GrpE as a molecular chaperone, involving them in assembly and disassembly of protein complexes, protein folding, renaturation of denatured proteins, prevention of protein aggregation and protein export. HSP 40 stimulates the association between HSC 70 and HIP and translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. There are five known HSP 40 family proteins.

Product:

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

Molecular Weight:

~ 40 kDa

Swiss-Prot:

P25685

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/IF: 1:50~1:200

IP: 1:10~1:100

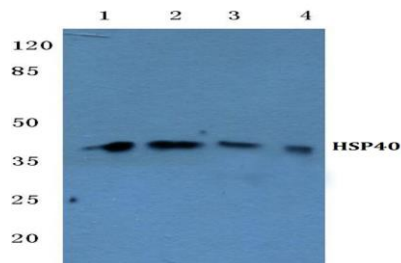
Storage&Stability:

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

Specificity:

HSP40 (P303)pAb detects endogenous levels of HSP40 protein.

DATA:



Western blot (WB) analysis of HSP40 (P303) polyclonal antibody at 1:500 dilution

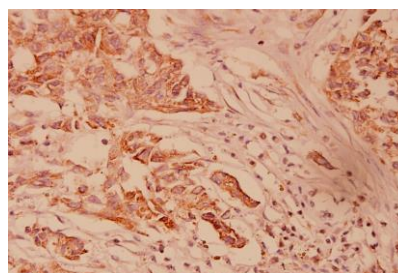
Lane1:HEK293T whole cell lysate(40ug)

Lane2:PC3 whole cell lysate(40ug)

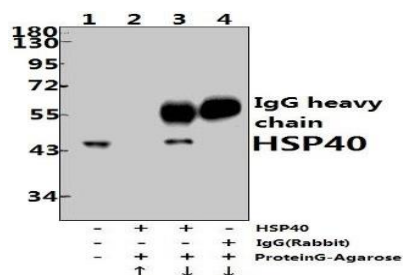
Lane3:SK-OVCAR3 whole cell lysate(40ug)

Lane4:AML-12 whole cell lysate(40ug)

Lane5:PC12 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of HSP40 (P303) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of L02 cell lysate using HSP40 (P303) pAb (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0047 (lane 4) .Lane 1 is 30% input. The western blot was probed using HSP40 (P303) pAb. “ ↑ ” (supernatant) ; “ ↓ ” (deposition)

Note:

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