GRP75 (S664) polyclonal antibody

Catalog: BCP00843 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The HSP 70 family comprises four highly conserved proteins, HSP 70, HSC 70, GRP 75 and GRP 78, which serve a variety of roles. They act as molecular chaperones facilitating the assembly of multi-protein complexes, participate in the translocation of polypeptides across cell membranes and to the nucleus, and aid in the proper folding of nascent polypeptide chains. HSC 70, GRP 75 and GRP 78 are constitutively expressed in primate cells. HSP 70 expression is strongly induced in response to heat stress. HSP 70 and HSC 70, which are found in both the cytosol and nucleus of mammalian cells, play key roles in the cytosolic endoplasmic reticulum and mitochondrial import machinery. They are involved in chaperoning nascent polypeptide chains and in protecting cells against the accumulation of improperly folded proteins.

Product:

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

Molecular Weight:

~ 75 kDa

Swiss-Prot:

P38646

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

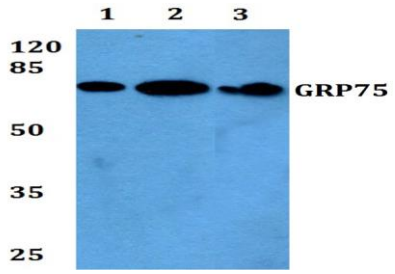
Storage&Stability:

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

Specificity:

GRP75 (S664) polyclonal antibody detects endogenous levels of GRP75 protein.

DATA:



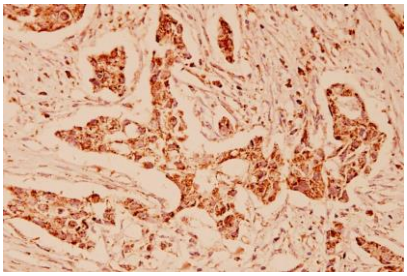
Western blot (WB) analysis of GRP75 (S664) pAb at 1:5000 dilution

Lane1:A549 whole cell lysate(20ug)

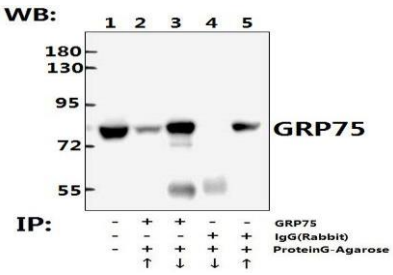
Lane2:HepG2K562 whole cell lysate(20ug)

Lane3:The Brain tissue lysate of Mouse(40ug)

Lane4:The Brain tissue lysate of Rat(40ug)



Immunohistochemistry (IHC) analyzes of GRP75 (S664) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of A549 whole cell lysate using GRP75 (S664) pAb (Sepharose Bead Conjugate) #BD0047(lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0047 (lane 4 and lane 5) .Lane 1 is 20% input. The western blot was probed using GRP75 (S664) pAb. “↑”（supernatant）; “↓”（deposition）

Note:

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

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