GLUR polyclonal antibody

Catalog: BS90580 Host: Rabbit Reactivity: Human, Rat

BackGround:

Glutathione plays a key role in maintaining proper function and preventing oxidative stress in human cells. It can act as a scavenger for hydroxyl radicals, singlet oxygen, and various electrophiles. Reduced glutathione reduces the oxidized form of the enzyme glutathione peroxidase, which in turn reduces hydrogen peroxide (H2O2), a dangerously reactive species within the cell. In addition, it plays a key role in the metabolism and clearance of xenobiotics, acts as a cofactor in certain detoxifying enzymes, participates in transport, and regenerates antioxidants such and Vitamins E and C to their reactive forms. The ratio of GSSG/GSH present in the cell is a key factor in properly maintaining the oxidative balance of the cell, that is, it is critical that the cell maintains high levels of the reduced glutathione and a low level of the oxidized Glutathione disulfide. This narrow balance is maintained by glutathione reductase, which catalyzes the reduction of GSSG to GSH.

Product:

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

Molecular Weight:

56 kDa

Swiss-Prot:

P00390(Human) P70619(Rat)

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:1,000-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

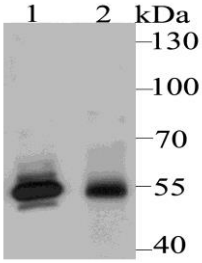
Storage&Stability:

Store at +4 ℃ after thawing. Aliquot store at -20 ℃. Avoid repeated freeze / thaw cycles.

Specificity:

GLUR polyclonal antibody detects endogenous levels of GLUR protein.

DATA:

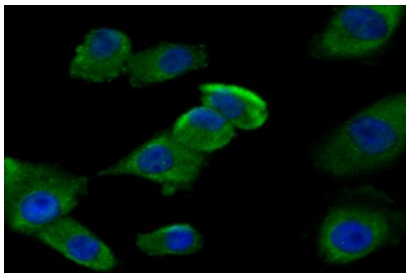


Western blot analysis of GLUR on different lysates using anti-GLUR antibody at 1/2,000 dilution.

Positive control:

Lane1: A549

Lane2: Rat liver tissue



ICC staining GLUR in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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