

GCSm- γ (V91) polyclonal antibody

Catalog: BCP00813

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Gamma-glutamylcysteine synthetase (γ -GCS) is the rate limiting enzyme for glutathione (L- γ -glutamyl-L-cysteinylglycine, GSH) synthesis. GSH is ubiquitous in mammalian cells as a vital intra- and extracellular protective antioxidant. γ -GCS is a heterodimer of a heavy catalytic subunit and a light regulatory subunit that is responsive to inflammation, phenolic antioxidants, heat shock, oxidants and cytokines. The human γ -GCS gene encoding the 367 amino acid catalytic subunit maps to chromosome 6p12. The human γ -GCS gene encoding the regulatory subunit maps to chromosome 1p22-p21. The two subunits of γ -GCS form a heterodimeric zinc metalloprotein that gains activity through formation of a reversible disulfide bond.

Product:

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

Molecular Weight:

~ 30 kDa

Swiss-Prot:

P48507

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

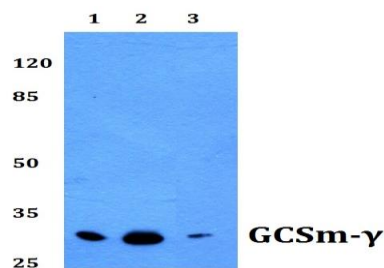
Storage&Stability:

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

Specificity:

GCSm- γ (V91) polyclonal antibody detects endogenous levels of GCSm- γ protein.

DATA:



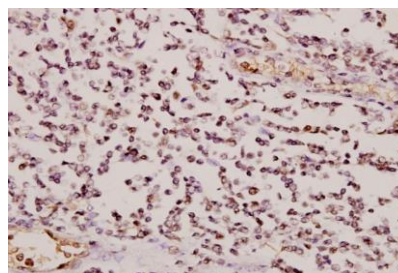
Western blot (WB) analysis of GCSm- γ (V91) pAb at 1:500 dilution

Lane1:MEF whole cell lysate(40ug)

Lane2:The Spleen tissue lysate of Mouse(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Lane4:Panc1 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of GCSm- γ (V91) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.

Note:

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