GLO1 polyclonal antibody

Catalog: BS90577 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

The glyoxal pathway plays a role in the detoxification of glucose degradation products (GDP). Glyoxalase I (GLO1), a member of the glyoxalase family, is effective in eliminating GDP. Overexpression or silencing of Gly-oxalase I in mice brain suggests an association between Glyoxalase I and anxiety. Glyoxalase I has three isoforms generated from two alleles in the genome which forms two homodimers and one heterodimer, each subunit binding one zinc ion. Research demonstrates that GLO1 gene expression is induced in colon carcinoma. Both an insulin response element (IRE), and a zinc metal response element (MRE) in the promoter region of the GLO1 gene have been identified.

Product:

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

Molecular Weight:

21 kDa

Swiss-Prot:

Q04760(Human) Q9CPU0(Mouse) Q6P7Q4(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

ICC:1:100-1:500

IHC:1:100-1:500

FC:1:50-1:100

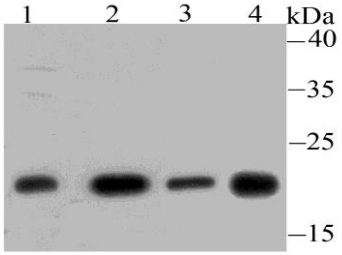
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Specificity:

GLO1 polyclonal antibody detects endogenous levels of GLO1 protein.

DATA:



Western blot analysis of GLO1 on different lysates using anti-GLO1 antibody at 1/500 dilution.

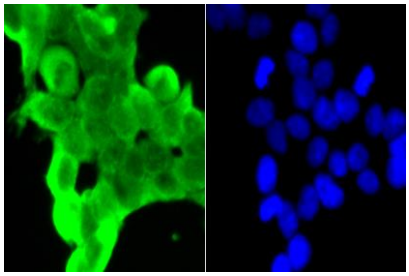
Positive control:

Lane 1: Mouse testis tissue

Lane 2: C2C12

Lane 3: 293

Lane 4: Rat spleen tissue



ICC staining GLO1 in 293T 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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