

## Catalase polyclonal antibody

Catalog: BS90194

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Hydrogen peroxide is a harmful byproduct of many normal metabolic processes; to prevent damage to cells and tissues, it must be quickly converted into other, less dangerous substances. To this end, catalase is frequently used by cells to rapidly catalyze the decomposition of hydrogen peroxide into less-reactive gaseous oxygen and water molecules. Catalase is usually located in a cellular, bipolar environment organelle called the peroxisome. All known animals use catalase in every organ, with particularly high concentrations occurring in the liver. Catalase promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells.

### Product:

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

### Molecular Weight:

60 kDa

### Swiss-Prot:

P04040(Human) P24270(Mouse) P04762(Rat)

### Purification&Purity:

Peptide affinity purified

### Applications:

WB:1:1,000

ICC:1:200

IHC:1:200

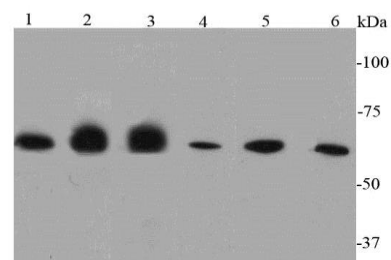
### Storage&Stability:

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

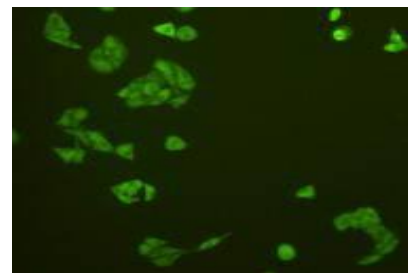
### Specificity:

Catalase polyclonal antibody detects endogenous levels of Catalase protein.

### DATA:



Western blot analysis of Caveolin-1 on different lysates using anti-Caveolin-1 antibody at 1/500 dilution. Positive control: Lane 1: F9 Lane 2: A549 Lane 3: Mouse lung Lane 4: Mouse liver Lane 5: Human lung Lane 6: HeLa Lane 7: HepG2 Lane 8: Jurkat



ICC staining catalase in HeLa cells (green). Cells were fixed in para-formaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

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

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