

Catalase Recombinant Rabbit mAb

Catalog: BS46369

Host: Rabbit

Reactivity: Human

BackGround:

This gene encodes catalase, a key antioxidant enzyme in the bodies defense against oxidative stress. Catalase is a heme enzyme that is present in the peroxisome of nearly all aerobic cells. Catalase converts the reactive oxygen species hydrogen peroxide to water and oxygen and thereby mitigates the toxic effects of hydrogen peroxide. Oxidative stress is hypothesized to play a role in the development of many chronic or late-onset diseases such as diabetes, asthma, Alzheimer's disease, systemic lupus erythematosus, rheumatoid arthritis, and cancers. Polymorphisms in this gene have been associated with decreases in catalase activity but, to date, acatalasemia is the only disease known to be caused by this gene. [provided by RefSeq, Oct 2009]

Product:

Store at -20 °C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

Molecular Weight:

60 kDa

Swiss-Prot:

P04040

Purification&Purity:

Affinity Purification

Applications:

WB: 1:2000-1:10000 IHC: 1:20-1:50 ICC/IF: 1:20-1:100 FC: 1:20-1:100

Storage&Stability:

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

Isotype:

IgG

DATA:



Western blot detection of Catalase in K562, HeLa cell lysates using Catalase antibody(1:1000 diluted).

Note:

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

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