

## Catalase monoclonal antibody

Catalog: MB66789

Host: Mouse

Reactivity: Human, Mouse

### BackGround:

Catalase is a peroxisome specific marker protein belonging to the catalase family. Defects in the gene encoding for the catalase protein can cause acatalasia, a disease characterized by the absence of catalase activity in red cells and associated with ulcerating oral lesions. Catalase is also an important regulator of oxidative stress and inflammation, and may contribute to the development of rheumatoid arthritis. Catalase, which can form a homotetramer, is found in nearly all aerobically respiring organisms and functions in protecting cells from the toxic effects of hydrogen peroxide.

### Product:

Mouse IgG2a. Supplied in crude ascites with 0.01% sodium azide.

### Molecular Weight:

~ 55 kDa

### Swiss-Prot:

P04040

### Purification&Purity:

### Applications:

WB (1/500 - 1/1000)

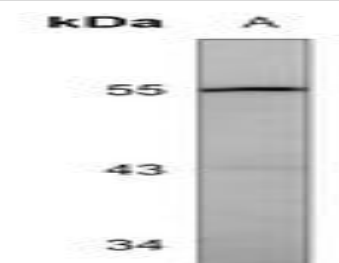
### Storage&Stability:

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

### Specificity:

Recognizes endogenous levels of Catalase protein.

### DATA:



Western blot analysis of Catalase expression in mouse liver (A) whole cell lysates.

### Note:

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

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