

<b>Product name:</b>	Catalase Rabbit Monoclonal Antibody
<b>Cat number:</b>	MABN04060
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 $\mu$ L
<b>Clone:</b>	Monoclonal
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	A synthetic peptide of human Catalase
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	WB 1:500-1:1000, IHC 1:50-1:100
<b>Molecular Weight:</b>	Calculated MW: 60 kDa; Observed MW: 60 kDa
<b>Purification:</b>	Affinity Purification
<b>Form:</b>	Liquid
<b>Buffer:</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Storage:</b>	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
<b>Background:</b>	Catalase catalyzes the conversion of hydrogen peroxide to water and oxygen. Research studies show that overexpression of this antioxidant enzyme increases the ability of pancreatic $\beta$ -cells to scavenge reactive oxygen species (ROS), thereby protecting pancreatic $\beta$ -cells from oxidative stress.