



Anti-CAT monoclonal antibody, clone 2C7 (DCABH-1802)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Catalase
Antigen Description	Occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. Promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells.
Immunogen	Recombinant full length Human Catalase produced in HEK293T cells (NP_111743).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat, Dog, Human, Monkey
Clone	2C7
Purification	This antibody is purified from Mouse ascites fluid by affinity chromatography.
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC/IF, Flow Cyt
Positive Control	Catalase-transfected HEK293T cell lysate; HepG2, HeLa, HT29, A549, COS7, Jurkat, MDCK, PC12, and MCF7 cell extracts; Human Kidney, liver, lung, endometrium, prostate, prostate carcinoma, lymph node and lymphoma tissues; COS7 cells transiently transfected
Format	Liquid
Size	100 µl
Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 50% Glycerol, 1% BSA

Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
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Ship	Shipped at 4°C.
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GENE INFORMATION

Gene Name	CAT catalase [Homo sapiens]
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Official Symbol	CAT
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Synonyms	CAT; catalase; MGC138422; MGC138424;
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Entrez Gene ID	847
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Protein Refseq	NP_001743
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UniProt ID	P04040
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Chromosome Location	11p13
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Pathway	Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Folate Metabolism, organism-specific biosystem; FoxO family signaling, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
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Function	NADP binding; aminoacylase activity; catalase activity; catalase activity; heme binding; metal ion binding; oxidoreductase activity, acting on peroxide as acceptor; protein homodimerization activity;
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