CAT Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8623c

Specification

CAT Antibody (Center) Blocking Peptide - Product Information

Primary Accession   [P04040](#)

CAT Antibody (Center) Blocking Peptide - Additional Information

Gene ID 847

Other Names
Catalase, CAT

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8623c was selected from the Center region of human CAT. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CAT Antibody (Center) Blocking Peptide - Protein Information

Name CAT

Function
Catalyzes the degradation of hydrogen peroxide ($H(2)O(2)$) generated by peroxisomal oxidases to water and oxygen, thereby protecting cells from the toxic effects of hydrogen peroxide (PubMed:7882369). Promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells (PubMed:7882369).

Cellular Location
Peroxisome matrix

CAT Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

CAT Antibody (Center) Blocking Peptide - Images

CAT Antibody (Center) Blocking Peptide - Background

CAT occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. It promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells.

CAT Antibody (Center) Blocking Peptide - References

Oh,J.H., et.al., Mamm. Genome 16 (12), 942-954 (2005)