



CAT Polyclonal Antibody

Catalog No	E91267	Lot Number	P00009
Applications	WB IHC IF	Quantity	100ul, 100ug/100ul
Cross-Reactivity	H	Calculated MW	60kDa

Immunogen Information

Immunogen	A synthetic peptide of human CAT
Gene ID	847
Swiss Prot	P04040
Synonyms	MGC138422; MGC138424

Product information

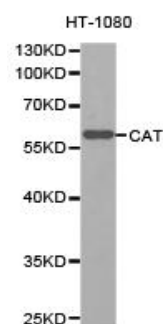
Species	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

CAT belongs to the catalase family. CAT occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. CAT promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells. CAT catalyzes the reaction: $2 \text{H}_2\text{O}_2 = \text{O}_2 + 2 \text{H}_2\text{O}$. Defects in CAT are the cause of acatalasia (ACATLAS) which also known as acatalasemia. The antibody is specific to CAT.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50- 1:200
IF	1:20- 1:50



Western blot analysis of extracts of HT-1080 cells lines, using CAT antibody.