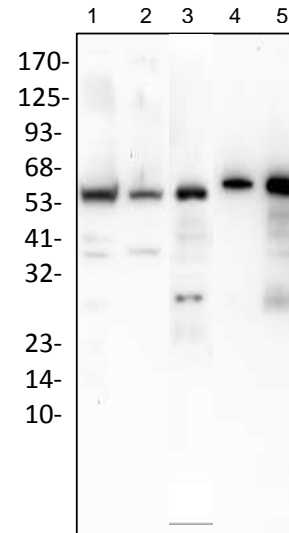


Anti-Catalase Antibody

CATALOG NO:	A1311-30T 30 µg (Trial size) A1311-100 100 µg
ALTERNATIVE NAMES:	CAT
CONCENTRATION:	0.5 mg/ml
IMMUNOGEN:	Catalase, Human Erythrocytes (Cat. No. 4712)
INTERNAL ID:	BV-P39
HOST/ISOTYPE:	Rabbit IgG
PURIFICATION:	Affinity purified rabbit IgG
FORM:	Liquid
SPECIES REACTIVITY:	Human, Mouse
FORMULATION:	In PBS pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	Catalase protein 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. Catalase is a key antioxidant enzyme in the body's defense against oxidative stress. Catalase is a heme enzyme that is present in the peroxisome of nearly all aerobic cells. Catalase converts the reactive oxygen species hydrogen peroxide to water and oxygen and thereby mitigates the toxic effects of hydrogen peroxide. Oxidative stress is hypothesized to play a role in the development of many chronic or late-onset diseases such as diabetes, asthma, Alzheimer's disease, systemic lupus erythematosus, rheumatoid arthritis, and cancers.
APPLICATION:	Western blot: 1-4 µg

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of catalase antibody in:

Lane 1: Jurkat cell lysate
Lane 2: 3T3 cell lysate
Lane 3: HepG2 cell lysate
Lane 4: human catalase 2 ng
Lane 5: human catalase 10 ng

RELATED PRODUCTS:

- Catalase, human recombinant (**Cat. No. 7362**)
- Catalase, Human Recombinant (**Cat. No. P1159**)
- Catalase, Human Erythrocytes (**Cat. No. 4712**)
- Immobilized Catalase Beads (**Cat. No. 7931**)
- Catalase Antibody (**Cat. No. 3806**)
- Catalase Blocking Peptide (**Cat. No. 3806BP**)
- Catalase Antibody (Center) (**Cat. No. 6727**)
- Catalase Activity Colorimetric/Fluorometric Assay Kit (**Cat. No. K773**)

FOR RESEARCH USE ONLY! Not to be used on humans.