

Product Data Sheet

Anti-Catalase (Phospho-Y386) Antibody

Catalog # Source Reactivity Applications

CPA3158 Rabbit H, M, R, B, D, Z WB, IH

Description Rabbit polyclonal antibody to Catalase (Phospho-Y386)

Immunogen KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding

Y386 of human Catalase protein. The exact sequence is proprietary.

Purification The antibody was purified by immunogen affinity chromatography.

Specificity Recognizes endogenous levels of Catalase protein only when phosphorylated at

Y386.

Clonality Polyclonal

Conjugation

Form Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol,

and 0.01% sodium azide.

Dilution WB (1/500 - 1/1000), IH (1/100 - 1/200)

Gene Symbol CAT

Alternative Names Catalase

Entrez Gene 847 (Human); 12359 (Mouse); 24248 (Rat)

SwissProt P04040 (Human); P24270 (Mouse); P04762 (Rat)

Storage/Stability Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid

freeze/thaw cycles.

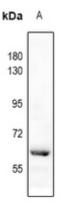
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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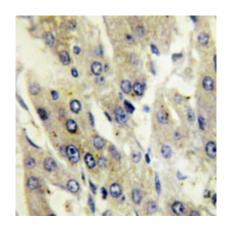
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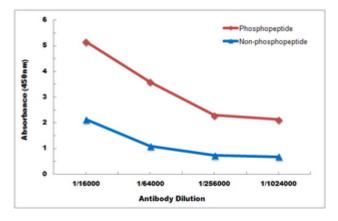
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Western blot analysis of Catalase (Phospho-Y386) expression in AML12 (A) whole cell lysates. (Predicted band size: 59 kD; Observed band size: 60 kD)



Immunohistochemical analysis of Catalase (Phospho-Y386) staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Direct ELISA antibody dose-response curve using Anti-Catalase (Phospho-Y386) Antibody. Antigen (Phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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