

Rabbit Catalase Polyclonal Antibody | anti-CAT antibody

Anti-Catalase (pY386) Phospho Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA260016	Rabbit	Human, Mouse, Rat, Bovine, Dog, Zebrafish	Immunohistochemistry, Western Blot

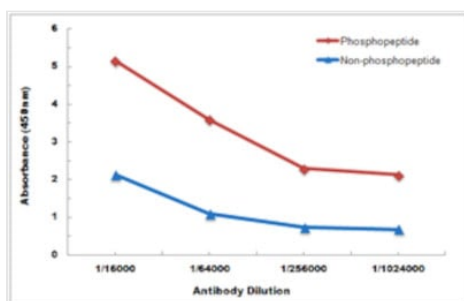
PRODUCT SYNONYMS

Catalase; Polyclonal Antibody; Anti-Catalase (pY386) Phospho Antibody; anti-CAT antibody

PRODUCT SPECIFICATIONS

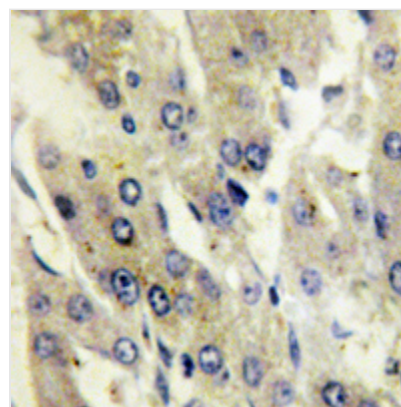
Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Dog, Zebrafish
Clonality	Polyclonal
Specificity	Recognizes endogeneous levels of Catalase protein only when phosphorylated at Y386.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	527
Applicable Applications for anti-CAT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y386 of human Catalase protein. The exact sequence is proprietary.
Preparation and Storage	Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

IMAGES



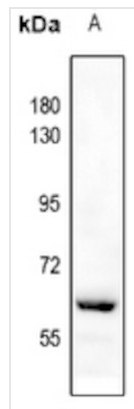
ELISA (Direct ELISA)

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.



IHC (Immunohistochemistry)

Immunohistochemical analysis of Catalase (pY386) 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.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CAT antibody

Rabbit polyclonal antibody to Catalase (pY386)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557014
NCBI GeneID	847
NCBI Accession #	NP_001743.1
NCBI GenBank Nucleotide #	NM_001752.3
UniProt Accession #	P04040; Q2M1U4; Q4VXX5; Q9BWT9; Q9UC85; A8K6C0; B2RCZ9; D3DR07
Molecular Weight	59,756 Da
NCBI Official Full Name	catalase
NCBI Official Synonym Full Names	catalase
NCBI Official Symbol	CAT
NCBI Protein Information	catalase
UniProt Protein Name	Catalase
UniProt Gene Name	CAT
UniProt Entry Name	CATA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/catalase-antibody-immunohistochemistry-western-blot-elisa/260016>