

Catalase Antibody | anti-CAT antibody

Catalase (Phospho-Tyr385) Antibody

CATALOG # AAA111823	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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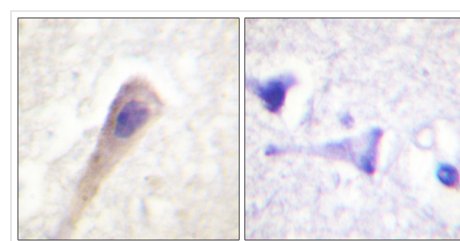
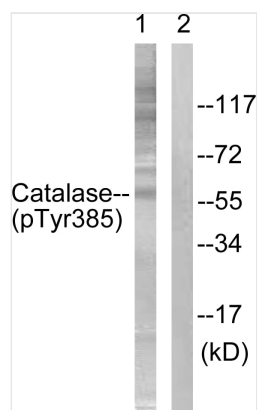
PRODUCT SYNONYMS

Catalase; Catalase (Phospho-Tyr385) Antibody; CATA; EC 1.11.1.6; anti-CAT antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Catalase (Phospho-Tyr385) antibody detects endogenous levels of Catalase only when phosphorylated at tyrosine 385.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	527
Applicable Applications for anti-CAT antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Catalase around the phosphorylation site of tyrosine 385 (A-N-YP-Q-R).
All Sites	Human: Tyr385 Mouse: Tyr385 Rat: Tyr385
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using Catalase (Phospho-Tyr385) antibody. Western blot analysis of extracts from Jurkat cells, using Catalase (Phospho-Tyr385) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CAT antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Jirasak Katsuwon, Appl. Envir. Microbiol., Nov 1990; 56: 3576-3582. Rashmi Gupta, Blood, Mar 2006; 107: 1837-1846. Iwao Komuro, J. Biol. Chem., Jun 2001; 276: 24360-24364. María del Carmen Vargas. Microbiology, May 2003; 149: 1165.

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

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/cat-human-mouse-rat-antibody/catalase/111823>