

PAC418Hu02

Polyclonal Antibody to Catalase (CAT)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: CAT, Human

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 100µg

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant CAT (Asp10~Asn507) expressed in *E.coli*.

Accession No.: RPC418Hu02

Sequence: The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHSGSEFELRRQ-D QMQHWKEQRA AQKADVLTTG AGNPVGDKLN
VITVGPRGPL LVQDVVFTDE MAHFDREERIP ERVVHAKGAG AFGYFEVTHD ITKYSKAKVF
EHIGKKTPIA VRFSTVAGES GSADTVRDPR GFAVKFYTED GNWDLVGNNT PIFFIRDPIIL
FPSFIHSQKR NPQTHLKDPD MVWDFWSLRP ESLHQVSFLF SDRGIPDGHR
HMNGYGSHTF KLVNANGEAV YCKFHYKTDQ GIKNLSVEDA ARLSQEDPDY GIRDLFNAIA
TGKYPSTWTFY IQVMTFNQAE TFPFNPFDLT KVWPHKDYPL IPVGKLVVLR NPVNYFAEVE
QIAFDPSNMP PGIEASPDKM LQGRLFAYPD THRHRLGPNY LHIPVNCOPYR ARVANYQRDG
PMCMQDNQGG APNYYPNSTFG APEQQPSALE HSIQYSGEVR RFNTANDDNV
TQVRAFVYVNV LNEEQRKRLC ENIAGHLKDA QIFIQKKAVK NFTEVHPDYG SHIQALLDKY
NAEKPKN

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against CAT. It has been selected for its ability to recognize CAT in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

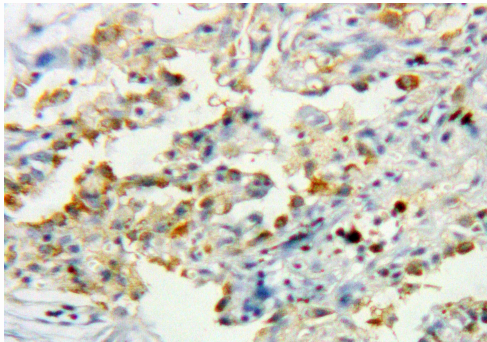
Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

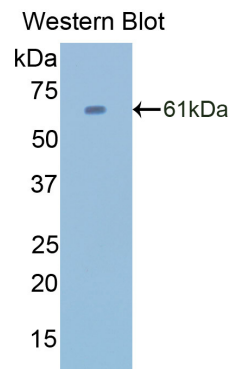
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



Used in DAB staining on formalin fixed
paraffin-embedded lung tissue



Used in Western Blot ,Sample:
Recombinant CAT,Human

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant CAT (Asp10~Asn507) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN₃ 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.