

**pA92418Hu04**  
**Polyclonal Antibody to Catalase (CAT)**  
**Organism: Homo sapiens (Human)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

7th Edition (Revised in May, 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 (Gly32~Ser167) expressed in *E.coli*.

**USCN Accession No.:** rP92418Hu04

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

MGHHHHHSGSEFELRRQAC- GNPVGDKLN VITVGPRGPL LVQDVVFTDE MAHFDRERIP  
ERVVHAKGAG AFGYFEVTHD ITKYSKAKVF EHIGKKTPIA VRFSTVAGES GSADTVRDPR  
GFAVKFYTED GNWDLVGNNT PIFFIRDPIIL FPSFIHS

## **[ 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: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

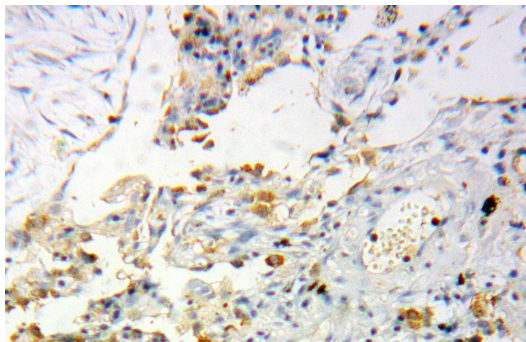
Immunohistochemistry in paraffin section: 1:50-200

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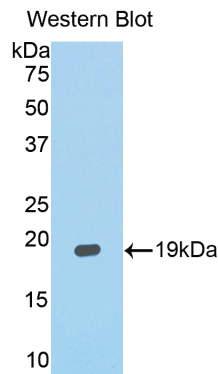
Enzyme-linked Immunosorbent Assay: 1:100-200

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%  $\text{NaN}_3$ , 50% glycerol.

## [ QUALITY CONTROL ]

**Content:** The quality control contains recombinant CAT (Gly32~Ser167) 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%,  $\text{NaN}_3$  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.

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