

pA91083Hu01

Polyclonal Antibody to Superoxide Dismutase 2, Mitochondrial (SOD2)

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: SOD2, 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 SOD2 (Lys25~Lys222) expressed in *E. coli*.

USCN Accession No.: rP91083Hu01

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

MGHHHHHHSGSEF-KHSLPD LPYDYGALP HINAQIMQLH HSKHHAAYVN NLNVTEEKYQ
EALAKGDVTA QIALQPALKF NGGGHINHSI FWTNLSPNGG GEPKGELLEAIKRDFGSFDK
FKEKLTAASV GVQSGSGWWL GFNKERGHQ IAACPNDQPL QGTTGLIPLL GIDVWEHAYY
LQYKNVRPDY LKAIWNVINW ENVTERYMAC KK

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against SOD2. It has been selected for its ability to recognize SOD2 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

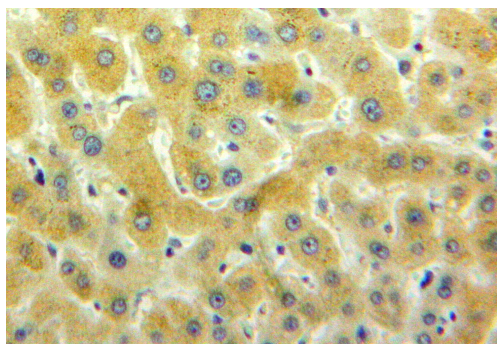
Immunohistochemistry in paraffin section: 1:50-200

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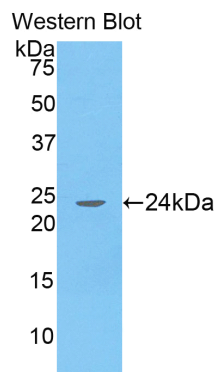
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



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



Used in Western Blot ,Sample:
Recombinant SOD2,Human

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3 , 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant SOD2 (Lys25~Lys222) 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%, 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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