

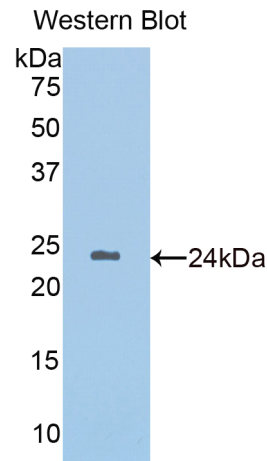
**A94250Hu01**  
**Antibody to Homogentisate-1,2-Dioxygenase (HGD)**  
***Instruction manual***

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

6th Edition (Revised in March, 2013)

**[ PRODUCT INFORMATION ]**

**Immunogen:** HGD  
**Clonality:** Polyclonal  
**Host:** Rabbit  
**Organism:** Human  
**Immunoglobulin Type:** IgG  
**Purification:** Affinity Chromatography.  
**Applications:** WB, ICC, IHC-P, IHC-F  
**Concentration:** 200µg/mL  
**UOM:** 100µg






*Sample: Recombinant Human HGD*

**[ IMMUNOGEN INFORMATION ]**

**Immunogen:** Recombinant human HGD (Ser8~Gly205) expressed in *E. coli*.  
**USCN Accession No.:** P94250Hu01  
**Sequence:** The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHSGSEF- SGF GNECSSEDPR CPGSLPEGQN NPQVCPYNLY AEQLSGSAFT  
CPRSTNKRSW LYRILPSVSH KPFESIDEGQ VTHNWDEVDP DPNQLRWKPF EIPKASQKKV  
DFVSGLHTLC GAGDIKSNG LAIHIFLCNT SMENRCFYNS DGDFLVLPQK GNLLIYTEFG  
KMLVQPNEIC VIQRGMRFSDVFEETRGYI LEVYG

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## [ ANTIBODY SPECIFICITY ]

Anti HGD is a rabbit polyclonal antibody raised against human HGD. This antibody has been selected for its ability to recognize human HGD in immunohistochemical staining and western blotting, non cross-reactive with other members of the family.

## [ 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

Optimal working dilutions must be determined by end user.

## [ CONTENTS ]

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% Na<sub>3</sub>N, 50% glycerol.

## [ QUALITY CONTROL ]

**Content:** The quality control contains recombinant human HGD(Ser8~Gly205) 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%, Na<sub>3</sub>N 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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