

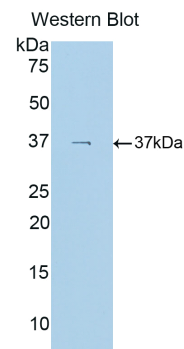
**A90471Mu01**  
**Polyclonal Antibody to Osteocalcin (OC)**  
**Organism: Mus musculus (Mouse)**  
*Instruction manual*

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

6th Edition (Revised in March, 2013)

**[ PRODUCT INFORMATION ]**

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



*Sample: Recombinant OC, Mouse*

**[ IMMUNOGEN INFORMATION ]**

**Immunogen:** Recombinant OC (Ala14~Ile95) expressed in *E.coli*.  
**USCN Accession No.:** P90471Mu01  
**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and GST-tag and its sequence is listed below.  
 MRNKKFELGL EFPNLPYYID GDVKLTQSMS IIRYIADKHN MLGGCPKERA EISMLEGAVL  
 DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD  
 VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGQWQATF GGGDHPKPSD  
 GSTSGSGHHH HHSAGLVPR GSTAIGMKET AAKFERQHM DSPDLGTLEV LFQ  
 GPLGSEF- ALCLSDL TDAKPSGPES DKAFMSKQEG NKVVNRLRRY LGASVPSDPD  
 LEPTREQCEL NPACDELSAQ YGLKTAYKRI YGITI

*Unique product Superb quality Client favorite Nicest service*  ISO9001:2008 ;  ISO13485:2003 ; 

## [ ANTIBODY SPECIFICITY ]

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

Optimal working dilutions must be determined by end user.

## [ CONTENTS ]

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

## [ QUALITY CONTROL ]

**Content:** The quality control contains recombinant OC (Ala14~Ile95) 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<sub>3</sub> 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.