

**A90899Ca02**  
**Polyclonal Antibody to Osteopontin (OPN)**  
**Organism: Canis familiaris; Canine (Dog)**  
***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:** OPN, Canine

**Clonality:** Polyclonal

**Host:** Rabbit

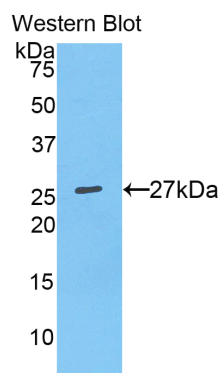
**Immunoglobulin Type:** IgG

**Purification:** Affinity Chromatography.

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

**Concentration:** 200µg/mL

**UOM:** 100µg



*Sample: Recombinant OPN, Canine*

## [ **IMMUNOGEN INFORMATION** ]

**Immunogen:** Recombinant OPN (Ile7~Ser232) expressed in *E.coli*.

**USCN Accession No.:** P90899Ca02

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

MGHHHHHHSGSEF-IAYA IPIKHADSGS SEEKQNAVLT EETDDFKQKT FSSKSNESHD  
 DVDEDDGDDV DSQDSVDSND LDDDSNESDE SDELVTDFPT DIPATQLFTP  
 AVPTRGSYDG RGDSVAYGLR SKSKKSHKYE VQYPDSTEED FTSLVKSASM EDDFNAVLLS  
 RTVRGTSDRD SHAKDSQETS QLDDHSMETK GRKHSQEYKL RASDESNMHS  
 HEIGSQENSE VSSELVSQLS QS

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

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## [ ANTIBODY SPECIFICITY ]

The antibody is a rabbit polyclonal antibody raised against OPN. It has been selected for its ability to recognize OPN 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 OPN (Ile7~Ser232) 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.

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