

**PAB287Bo01**

**Polyclonal Antibody to Integrin Alpha 5 (ITGa5)**

**Organism Species: Bos taurus; Bovine (Cattle)**

***Instruction manual***

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

9th Edition (Revised in Jul, 2013)

## **[ PRODUCT INFORMATION ]**

**Immunogen:** ITGa5, Bovine

**Clonality:** Polyclonal

**Host:** Rabbit

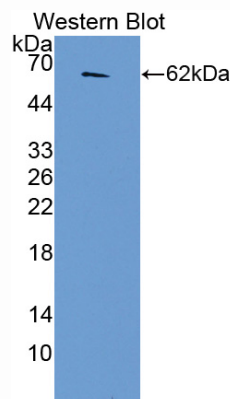
**Immunoglobulin Type:** IgG

**Purification:** Affinity Chromatography.

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

**Concentration:** 200µg/mL

**UOM:** 100µg



*Sample: Recombinant ITGa5, Bovine*

## **[ IMMUNOGEN INFORMATION ]**

**Immunogen:** Recombinant ITGa5 (Cys649~Arg900) expressed in *E.coli*.

**Accession No.:** RPB287Bo01

**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and GST-tag and its sequence is listed below.

MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID  
GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSR IA YSKDFETLKV  
DFLSKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFP KLVCFK  
KRIEAI PQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD GSTSGSGHHH HHSAGLVPR  
GSTAIGMKET AAKFERQHM DSPDLGTGGG SGIEGRGSMG YRGSEFCTG LGAPAGELRR  
QAC-CG EDNICVPDLQ LEVFGEQNHV YLGDKNLNL TFHAQNVGEG GAYEAE LRV T  
APPEAEY SGL VRHPGNFSSL SCDYFAVNQS RLLVCDLGNP MKAGASLWGG LRFTVPHLRD  
TKKTIQFDFQ ILSKNLNNSQ SDVVSFRLSV EAQAQVSLNG VSKPEAVLFP MSDWHPQDQP

QEEGDVGPVAV HHVYELINLG PSSISQGVLE LSCPHALDGQ QLLYVTRVTG LSNCTTSHPP  
NPEGLELDPE GSQHHRLQRR

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against ITGa5. It has been selected for its ability to recognize ITGa5 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

Enzyme-linked Immunosorbent Assay: 1:100-200

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 ITGa5 (Cys649~Arg900) 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.