

PAA902Hu01

**Polyclonal Antibody to Acid Phosphatase 5, Tartrate Resistant (ACP5)****Organism Species: Homo sapiens (Human)*****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:** ACP5, 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 ACP5 (Gln79~Arg318) expressed in *E.coli*.**Accession No.:** RPA902Hu01**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 DAFPKLVCFK  
KRIEAIQID KYLKSSKYIA WPLQG WQATF GGGDHPPKSD GSTSGSGHHH HHSAGLVPR  
GSTAIGMKET AA AKFERQHM DSPDLGTGGG SGIEGRGSMG YRGSEF-QD INDKRFQETF  
EDVFSRSLR KVPWYVLGN HDHLGNVSAQ IAYSKISKRW NFPSPFYRLH FKIPQTNVSV  
AIFMLDVTVL CGNSDDFLSQ QPERPRDVKL ARTQLSWLKK QLAAAREDYV LVAGHYPVWS  
IAEHGPTHCL VKQLRPLLAT YGVTAYLCGH DHNLQYLQDE NGVGYVLSGA GNFM DPSKRH  
QRKVPNGYLR FHYGTEDSLG GFAYVEISSK EMTVTYIEAS GKSLFKTR

**[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against ACP5. It has been selected for its ability to recognize ACP5 in immunohistochemical staining and western blotting.

**[ APPLICATIONS ]**

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

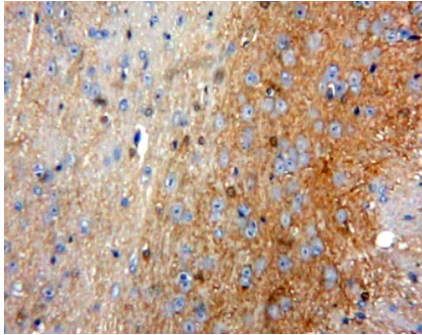
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

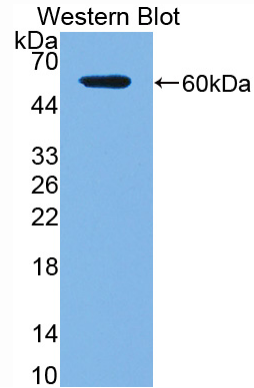
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## [ IMAGES ]



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



Used in Western Blot, Sample:  
Recombinant ACP5, Human

## [ 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 ACP5 (Gln79~Arg318) 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.