

**PAP121Hu01**

**Polyclonal Antibody to Wingless Type MMTV Integration Site Family,  
Member 16 (WNT16)**

**Organism Species: Homo sapiens (Human)**

***Instruction manual***

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

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9th Edition (Revised in Jul, 2013)

## **[ PRODUCT INFORMATION ]**

**Immunogen:** WNT16, 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 WNT16 (Asn30~Lys365) expressed in *E.coli*.

**Accession No.:** RPP121Hu01

**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 DIRYGVSRIA YSKDFETLKV  
DFLSKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK  
KRIEAIQID KYLKSSKYIA WPLQGWQATF GGDHPPKSD GSTSGSGHHH HHSAGLVPR  
GSTAIGKET AA AKFERQHM DSPDLGTGGG SGIEGRGSMG YRGSEF-N WMWLGIA SFG  
VPEKLG CANL PLNSRQKELC KRKPYLLPSI REGARLGIQE CGSQFRHERW NCMITAAATT  
APMGASPLFG YELSSGKET AFYAVMAAG LVHSVTRSCS AGNMTECSCD TTLQNGGSAS  
EGWHWGGCSD DVQYGMWFSR KFLDFPIGNT TGKENKVLLA MNLHNNEAGR  
QAVAKLMSVD CRCHGVSGSC AVKTCWKTMS SFEKIGHLLK DKYENSIQIS DKTKRKMRRR  
EKDQRKIPIH KDDL LYV NKS PNYCVEDKKL GIPGTQGREC NRTSEGADGC NLLCCGRGYN  
THVVRHVERC ECKFIWCCYV RCRRCESMTD VHTCK

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against WNT16. It has been

selected for its ability to recognize WNT16 in immunohistochemical staining and western blotting.

## [ APPLICATIONS ]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

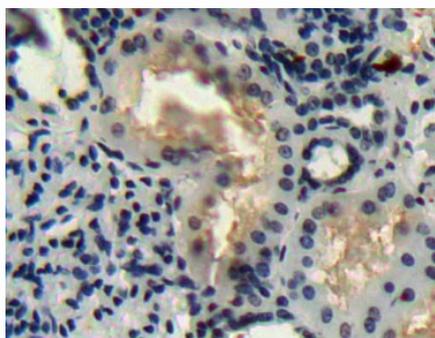
Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

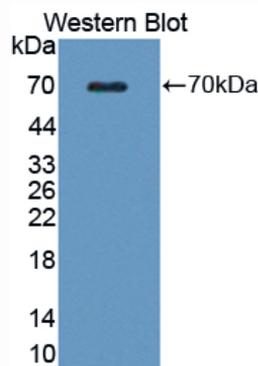
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## [ IMAGES ]



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



Used in Western Blot, Sample: Recombinant WNT16, 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 WNT16 (Asn30~Lys365) 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.