

PAK284Hu01

**Polyclonal Antibody to Ataxia Telangiectasia And Rad3 Related Protein (ATR)****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:** ATR, 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 ATR (Ala2353~Met2644) expressed in *E.coli*.**Accession No.:** RPK284Hu01**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.

MGSSHHHHHH SSSLVPRGSH MASMTGGQQM GRGSEF- AESRRREL HIRTYAVIPL  
NDECGIIIEWV NNTAGLRPIL TKLYKEKGVY MTGKELRQCM LPKSAALSEK LKVFREFLLP  
RHPPIFHEWF LRTFPDPTSW YSSRSAYCRS TAVMSMVG YI LGLGDRHGEN ILFDSLGTGEC  
VHVDFNCLFN KGETFEVPEI VPFRLTHNMV NGMGPMGTEG LFRRACEV TM  
RLMRDQREPL MSVLKTF LHD PLVEWSKPVK GHSKAPLNET GEVVNEKAKT HVLDIEQRLQ  
GVIKTRNRVT GLPLSIEGHV HYLIQEATDE NLLCQMYLGW TPYM

**[ ANTIBODY SPECIFICITY ]**

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

**[ APPLICATIONS ]**

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

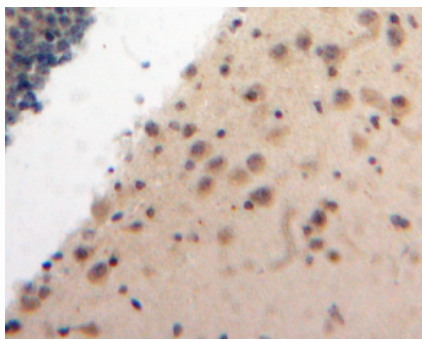
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

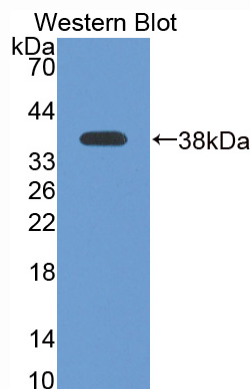
Enzyme-linked Immunosorbent Assay: 1:100-200

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 ATR, 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 ATR (Ala2353~Met2644) 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.