

PAA573Mi01**Polyclonal Antibody to Procollagen III N-Terminal Propeptide (PIIINP)****Organism Species: Multi-species*****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:** PIIINP-OVA**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:** Synthetic Peptide, PIIINP conjugated to OVA.**Accession No.:** CPA573Mi21**Sequence:** The target peptide sequence is listed below.

RDVWKPEPCQICVCD

[RELEVANCE]

PIIINP is the amino terminal peptide of type III procollagen, released from the precursor peptide during the synthesis and deposition of type III collagen. There is evidence that serum PIIINP measurement is an effective non-invasive test for the detection and monitoring of methotrexate-induced liver fibrosis and cirrhosis, and serial measurements may reduce the need for liver biopsy. PIIINP has a molecular weight of 42 000 and contains three distinct domains: a triple-helical domain (Col 3) in the middle of the molecule, the Col 1-domain at the amino terminal and Col 2-domain at the carboxyterminal end of the propeptide.

[ANTIBODY SPECIFICITY]

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

Note: Full length human PIIINP is identical in sequence to mouse PIIINP and rat PIIINP. 100% cross-reactivity of PIIINP was observed among human, mouse and rat.

[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.

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Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[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.