

**PAA135Hu01**

**Polyclonal Antibody to Thrombopoietin (TPO)**

**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:** TPO, 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 TPO (Ser22~Gly349) expressed in *E.coli*.

**Accession No.:** RPA135Hu01

**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 WPLQGQWQATF GGGDHPPKSD GSTSGSGHHH HHSAGLVPR  
GSTAIGMKET AAKFERQHM DSPDLGTGGG SGIEGRGSMG YRGSEF-SPAPPACDL  
RVLSKLLRDS HVLHSRLSQC PEVHPLPTPV LPAVDFSLG EWKTQMEETK AQDILGAVTL  
LLEGVMAARG QLGPTCLSSL LGQLSGQVRL LLGALQSLG TQGRTTAHKD PNAIFLSFQH  
LLRGKVRFLM LVGGSTLCVR RAPPTAVPS RTSLVLTLINE LPNRTSGLLE TNFTASART  
GSGLLKWWQQ FRAKIPGLLN QTSRSLDQIP GYLNRIHELL NGTRGLFPGP SRRTL GAPDI  
SSGTS DTGSL PPNLQPGYSP SPTHPTGQY TLFPLPPTLP TPV VQLHPLL PDPSAPTPTP  
TSPLLNTSYT HSQNLSQEG

## **[ ANTIBODY SPECIFICITY ]**

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

western blotting.

## [ APPLICATIONS ]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

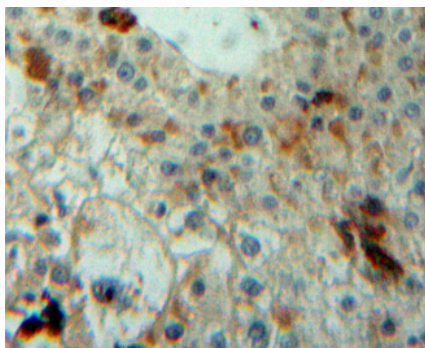
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

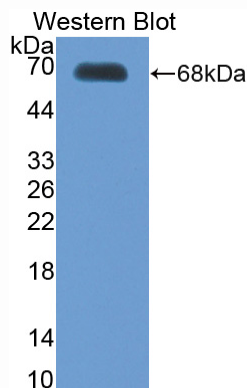
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## [ IMAGES ]



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



Used in Western Blot, Sample:  
Recombinant TPO, 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 TPO (Ser22~Gly349) 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.