

PAB830Hu01

Polyclonal Antibody to Transglutaminase 2, Tissue (TGM2)

Organism: 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: TGM2, 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 TGM2 (Met1~Ala687) expressed in *E.coli*.

Accession No.: RPB830Hu01

Sequence: The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHHSSEF-MAEELVLERC DLELETNGRD HHTADLCREK LVVRRGQPFW
LTLHFEGRNY EASVDSLTFV VVTGPAPSQE AGTKARFPLR DAVEEGDWTA TVVDQQDCTL
SLQLTTPANA PIGLYRLSLE ASTGYQGSSF VLGHFILLFN AWCPADAVYL DSEERQEYV
LTQQGFIYQG SAKFIKNIPWNFGQFEDGIL DICLILLDVN PKFLKNAGR DCSRSSPVYV
GRVVS GMVNC NDDQGVLLGR WDNNGD GVS PMSWIGSVDI LRRWKNHGCQ
RVKYQCWVF AAVACTVLRG LGIPTRVVTN YNSAHDQNSN LLIEYFRNEF GEIQGDKSEM
IWNFHCWVES WMTRPDLQPG YEGWQALDPT PQEKSEGTYC CGPVPVRAIK
EGDLSTKYDA PFVFAEVNAD VVDWIQQDDG SVHKSINRSL IVGLKISTKS VGRDEREDIT
HTYKYPEGSS EERAFTRAN HLNKLAKEKE TGMAMRIRVG QSMNMGSDFD VFAHITNNTA
EEYVCRLLC ARTVSYNGIL GPEGTKYLL NLNLEPFSEK SVPLCILEYK YRDCLTESNL
IKVRALLVEP VINSYLLAER DYLENPEIK IRILGEPKQK RKLVAEVS LQ NPLPVALEGC
TFTVEGAGLT EEQKTVEIPD PVEAGEEVKV RMDLLPLHMG LHKLVVNFES DKLKAVKGR
NVIIGPA

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against TGM2. It has been selected for its ability to recognize TGM2 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

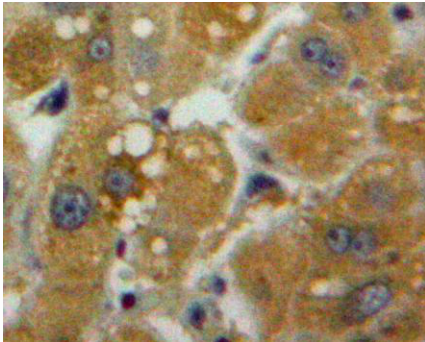
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

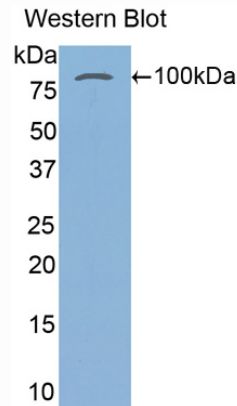
Enzyme-linked Immunosorbent Assay: 1:100-200

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 TGM2,Human

[CONTENTS]

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

[QUALITY CONTROL]

Content: The quality control contains recombinant TGM2 (Met1~Ala687) 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%, NaN₃ 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.