

PAD232Hu02

Polyclonal Antibody to Troponin T Type 2, Cardiac (TNNT2)

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: TNNT2, 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 TNNT2 (Met1~Lys295) expressed in *E.coli*.

Accession No.: RPD232Hu02

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

MGHHHHHSG SEF-MSDIEEVVEE YEEEEQEEAA VEEEDWRED EDEQEEAAEE
DAEAEAETEE TRAEDEEEEE EAKEAEDGPM EESKPKPRSF MPNLVPPKIP DGERVDFDDI
HRKRMEKDLN ELQALIEAHF ENRKKEEEEL VSLKDRIERR RAERAEQQRI RNEREKERQN
RLAEERARRE EEENRRKAED EARKKKALSN MMHFGGYIQK TERKSGKRQT EREKKKKILA
ERRKVLAI DH LNEDQLREKA KELWQSIYNL EAEKFDLQEK FKQQKYEINV LRNRINDNQK
VSKTRGKAKV TGRWK

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against TNNT2. It has been selected for its ability to recognize TNNT2 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

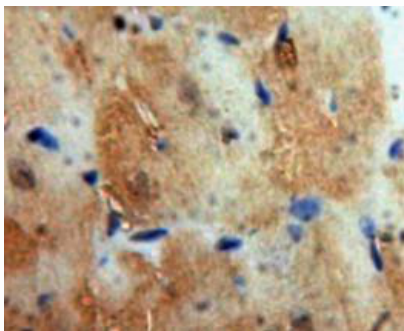
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

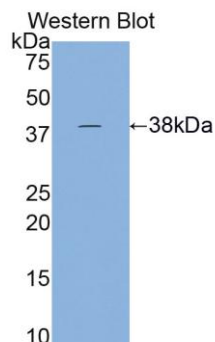
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



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



Used in Western Blot, Sample:
Recombinant TNNT2, 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 TNNT2 (Met1~Lys295) 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.