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Datasheet for ABIN7270808
anti-TMX1 antibody (AA 210-280)

5 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | TMX1 |
| Binding Specificity: | AA 210-280 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TMX1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|--|
| Purpose: | TMX1 Rabbit pAb |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 210-280 of human TMX1 (NP_110382.3). |
| Sequence: | KRRRPQPYPY PSKLLSESA QPLKKVEEEQ EADEEDVSEE EAESKEGTDNK DFPQNAIRQR SLGPSLATDK S |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

Target Details

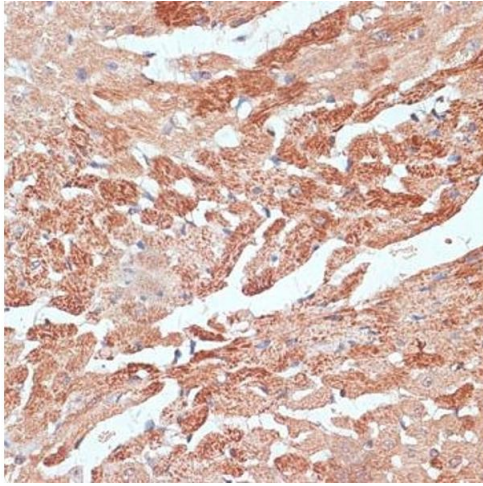
| | |
|-------------------|---|
| Target: | TMX1 |
| Alternative Name: | TMX1 (TMX1 Products) |
| Background: | <p>This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, and one transmembrane domain. Unlike most members of this gene family, it lacks a C-terminal ER-retention sequence. The mature membrane-bound protein can both oxidize and reduce disulfide bonds and acts selectively on membrane-associated polypeptides.,TMX1,PDIA11,TMX,TXNDC,TXNDC1,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,TMX1</p> |
| Molecular Weight: | 31kDa |
| Gene ID: | 81542 |
| UniProt: | Q9H3N1 |
| Pathways: | Cell RedoxHomeostasis |

Application Details

| | |
|--------------------|------------------------------------|
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:200 |
| Restrictions: | For Research Use only |

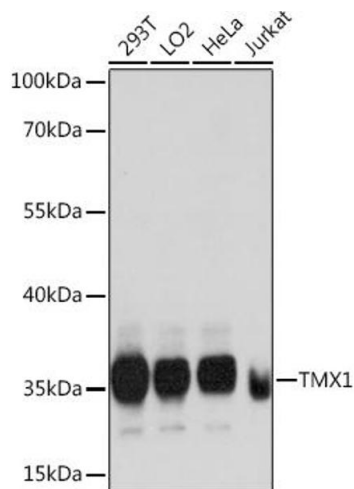
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



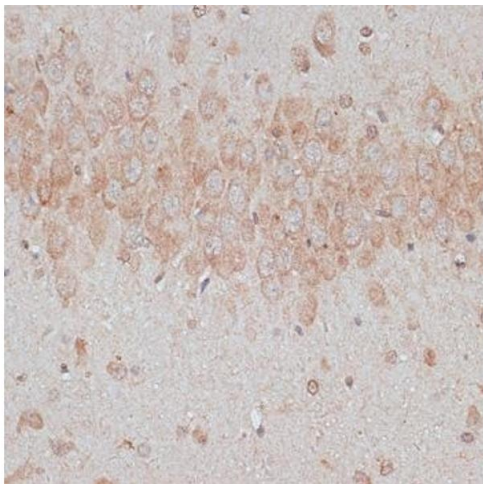
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse heart using TMX1 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using TMX1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat brain using TMX1 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7270808.