

## Rabbit TXN2 Polyclonal Antibody | anti-TXN2 antibody

TXN2 Polyclonal Antibody

|                              |                       |                                        |                                                                               |
|------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA28253</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Immunofluorescence</b> |
|------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------|

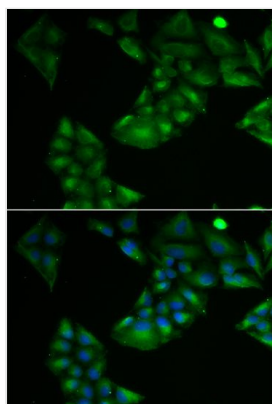
### PRODUCT SYNONYMS

TXN2; Polyclonal Antibody; TXN2 Polyclonal Antibody; COXPD29; MT-TRX; MTRX; TRX2; TXN; anti-TXN2 antibody

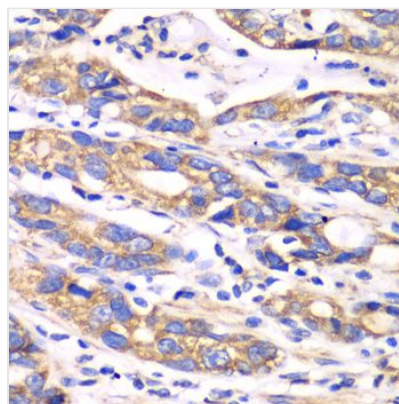
### PRODUCT SPECIFICATIONS

|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                 |
| Reactivity                                     | Human, Mouse, Rat                                                      |
| Clonality                                      | Polyclonal                                                             |
| Isotype                                        | IgG                                                                    |
| Purity/Purification                            | Affinity Purification                                                  |
| Sequence Length                                | 166                                                                    |
| Applicable Applications for anti-TXN2 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence) |
| Application Notes                              | WB: 1:500 - 1:2000<br>IHC: 1:50 - 1:200<br>IF: 1:50 - 1:200            |
| Immunogen                                      | Recombinant protein of human TXN2                                      |
| Storage Buffer                                 | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                      |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                       |

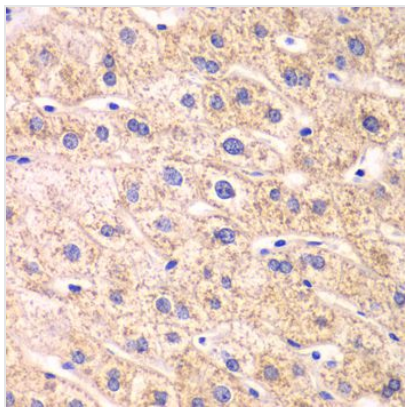
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence analysis of U2OS cells using TXN2 antibody. Blue: DAPI for nuclear staining.

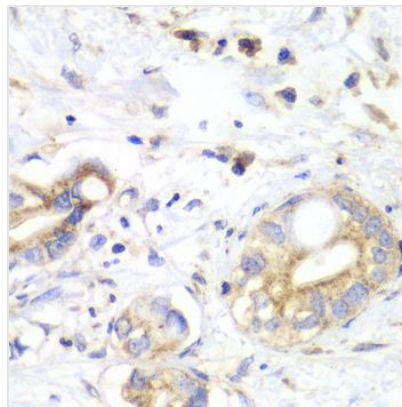

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human colon carcinoma using TXN2 antibody at dilution of 1:100 (40x lens).



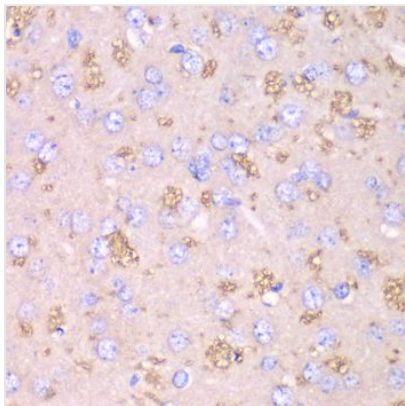
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver injury using TXN2 antibody at dilution of 1:100 (40x lens).



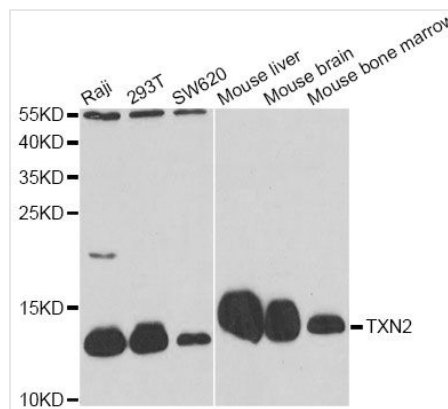
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using TXN2 antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using TXN2 antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using TXN2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-TXN2 antibody</b> | This nuclear gene encodes a mitochondrial member of the thioredoxin family, a group of small multifunctional redox-active proteins. The encoded protein may play important roles in the regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis. |
| <b>Product Categories/Family for anti-TXN2 antibody</b>   | Primary antibody                                                                                                                                                                                                                                                                                |

## NCBI AND UNIPROT INFORMATION

|                                         |                                  |
|-----------------------------------------|----------------------------------|
| <b>NCBI GI #</b>                        | 20455529                         |
| <b>NCBI GeneID</b>                      | 25828                            |
| <b>UniProt Accession #</b>              | Q99757; Q5JZA0; Q6FH60; Q9UHZ9   |
| <b>Molecular Weight</b>                 | 18kDa                            |
| <b>NCBI Official Full Name</b>          | Thioredoxin, mitochondrial       |
| <b>NCBI Official Synonym Full Names</b> | thioredoxin 2                    |
| <b>NCBI Official Symbol</b>             | TXN2                             |
| <b>NCBI Official Synonym Symbols</b>    | TXN; MTRX; TRX2; MT-TRX; COXPD29 |

|                            |                            |
|----------------------------|----------------------------|
| NCBI Protein Information   | thioredoxin, mitochondrial |
| UniProt Protein Name       | Thioredoxin, mitochondrial |
| UniProt Gene Name          | TXN2                       |
| UniProt Synonym Gene Names | TRX2; MTRX; Mt-Trx         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/txn2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28253>