

## anti-Human, Mouse TXN2 Polyclonal Antibody | anti-TXN2 antibody

TXN2 Polyclonal Antibody

|                               |                                   |                                                                               |
|-------------------------------|-----------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA279643</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|-------------------------------------------------------------------------------|

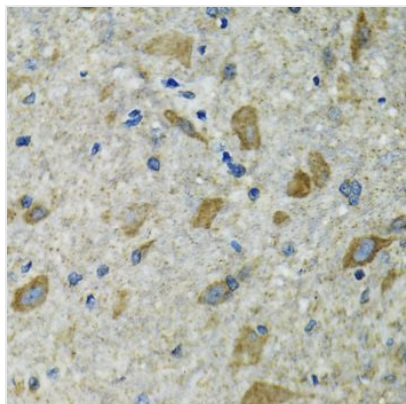
### PRODUCT SYNONYMS

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

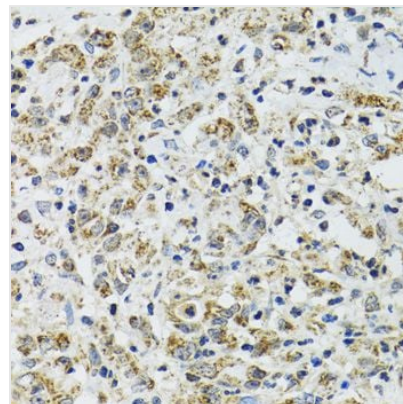
### PRODUCT SPECIFICATIONS

|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| Reactivity                                     | Human, Mouse                                                           |
| Clonality                                      | Polyclonal                                                             |
| Isotype                                        | IgG                                                                    |
| Purity/Purification                            | Affinity Purification                                                  |
| Concentration                                  | 1mg/ml (varies by lot)                                                 |
| Sequence Length                                | 166                                                                    |
| Applicable Applications for anti-TXN2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Source                                         | Rabbit                                                                 |
| Category                                       | Primary Antibody                                                       |
| Species                                        | Human                                                                  |
| Immunogen                                      | Recombinant protein of human TXN2                                      |
| Calculated Molecular Weight                    | 18kDa                                                                  |
| Buffer                                         | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                      |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze / thaw cycles.                     |

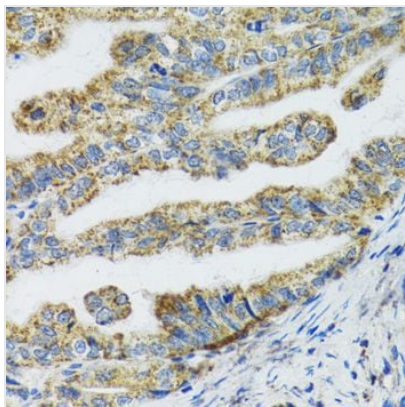
### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse spinal cord using TXN2 antibody at dilution of 1:100 (40x lens).

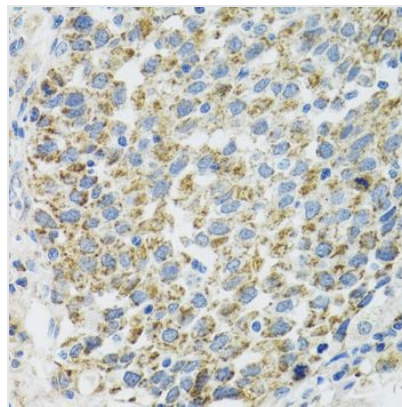

**IHC (Immunohistochemistry)**

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



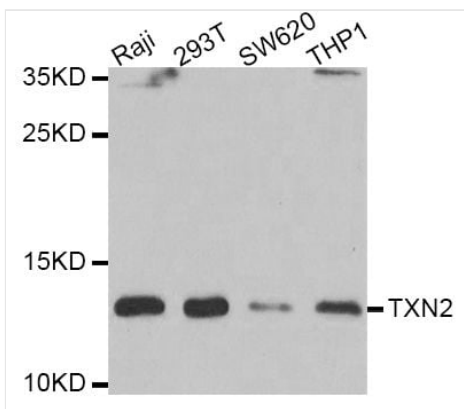
#### IHC (Immunohistochemistry)

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



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer 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>   | Polyclonal                                                                                                                                                                                                                                                                                      |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                      |
|-----------------------------------------|----------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 20455529                                                             |
| <b>NCBI GeneID</b>                      | 25828                                                                |
| <b>UniProt Accession #</b>              | Q99757; Q5JZA0; Q6FH60; Q9UHZ9                                       |
| <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>    | MTRX; TRX2; MT-TRX                                                   |
| <b>NCBI Protein Information</b>         | thioredoxin, mitochondrial; thioredoxin-2; mitochondrial thioredoxin |

|                            |                            |
|----------------------------|----------------------------|
| UniProt Protein Name       | Thioredoxin, mitochondrial |
| UniProt Gene Name          | <b>TXN2</b>                |
| UniProt Synonym Gene Names | TRX2; MTRX; Mt-Trx         |
| UniProt Entry Name         | THIOM_HUMAN                |

**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-immunofluorescence-immunohistochemistry-western-blot-elisa/279643>