

## Datasheet for ABIN7606493 **anti-TXN2 antibody**



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### Overview

|              |                                                                                                                                 |
|--------------|---------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                                          |
| Target:      | TXN2                                                                                                                            |
| Reactivity:  | Human, Rat, Mouse                                                                                                               |
| Host:        | Rabbit                                                                                                                          |
| Clonality:   | Monoclonal                                                                                                                      |
| Conjugate:   | This TXN2 antibody is un-conjugated                                                                                             |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF),<br>Immunocytochemistry (ICC), Flow Cytometry (FACS) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Anti-Thioredoxin 2 Monoclonal Antibody                                                                                                                                                                                                                                                                |
| Immunogen:       | A synthesized peptide derived from human Thioredoxin 2 Thioredoxins (Trx) are small, multi-functional proteins with oxidoreductase activity and are ubiquitous in essentially all living cells. Trx contains a redox-active disulfide/dithiol group within the conserved Cys-Gly-Pro-Cys active site. |
| Clone:           | AEGD-20                                                                                                                                                                                                                                                                                               |
| Isotype:         | IgG                                                                                                                                                                                                                                                                                                   |
| Characteristics: | Anti-Thioredoxin 2 Monoclonal Antibody (ABIN7606493). Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.                                                                                                                                            |
| Purification:    | Affinity-chromatography                                                                                                                                                                                                                                                                               |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TXN2                                                                                                                                                                                                                                                                                                                         |
| Alternative Name: | TXN2 ( <a href="#">TXN2 Products</a> )                                                                                                                                                                                                                                                                                       |
| Background:       | Synonyms: Caldesmon,CDM,CALD1,CAD, CDM,<br>Tissue Specificity: High-molecular-weight caldesmon (isoform 1) is predominantly expressed in smooth muscles, whereas low-molecular- weight caldesmon (isoforms 2, 3, 4 and 5) are widely distributed in non-muscle tissues and cells. Not expressed in skeletal muscle or heart. |
| Molecular Weight: | 52 kDa                                                                                                                                                                                                                                                                                                                       |
| UniProt:          | <a href="#">Q99757</a>                                                                                                                                                                                                                                                                                                       |
| Pathways:         | <a href="#">Cell RedoxHomeostasis</a>                                                                                                                                                                                                                                                                                        |

## Application Details

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Application Notes: | WB 1:1000-1:5000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:100 |
| Restrictions:      | For Research Use only                                               |

## Handling

|                    |                                                                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                     |
| Reconstitution:    | Restore with deionized water (or equivalent) for reconstitution volume of 1.0 mL                                                           |
| Concentration:     | Lot specific                                                                                                                               |
| Buffer:            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol, 0.4-0.5 mg/mL BSA.                    |
| 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:           | 4 °C,-20 °C                                                                                                                                |
| Storage Comment:   | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |