

**Anti-ERp19 Rabbit Monoclonal Antibody**  
Catalog # ABO16199**Specification****Anti-ERp19 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC
Primary Accession	<a href="#">O95881</a>
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-ERp19 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

**Anti-ERp19 Rabbit Monoclonal Antibody - Additional Information**

Gene ID 51060

**Other Names**

Thioredoxin domain-containing protein 12, 1.8.4.2, Endoplasmic reticulum resident protein 18, ER protein 18, ERp18, Endoplasmic reticulum resident protein 19, ER protein 19, ERp19, Thioredoxin-like protein p19, hTLP19, TXNDC12 ([HGNC:24626](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=24626))

**Calculated MW**

17 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human ERp19

**Purification**

Affinity-chromatography

**Storage**

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.

**Anti-ERp19 Rabbit Monoclonal Antibody - Protein Information**

**Name** TXNDC12 ([HGNC:24626](#))

**Function**

Protein-disulfide reductase of the endoplasmic reticulum that promotes disulfide bond formation in client proteins through its thiol- disulfide oxidase activity.

**Cellular Location**

Endoplasmic reticulum lumen {ECO:0000255|PROSITE- ProRule:PRU10138, ECO:0000269|PubMed:12761212}

**Tissue Location**

Widely expressed..

**Anti-ERp19 Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-ERp19 Rabbit Monoclonal Antibody - Images**

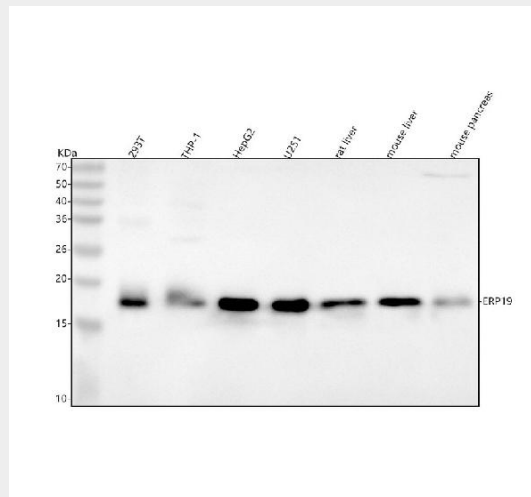


Figure 1. Western blot analysis of ERp19 using anti-ERp19 antibody (M08975).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,  
Lane 2: human THP-1 whole cell lysates,  
Lane 3: human HepG2 whole cell lysates,  
Lane 4: human U251 whole cell lysates,  
Lane 5: rat liver tissue lysates,

Lane 6: mouse liver tissue lysates,

Lane 7: mouse pancreas tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ERp19 antigen affinity purified monoclonal antibody (Catalog # M08975) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for ERp19 at approximately 17 kDa. The expected band size for ERp19 is at 19 kDa.