

## Anti-PDIA3 Antibody (8V206)

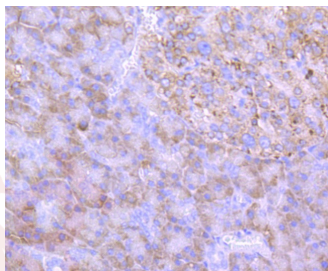
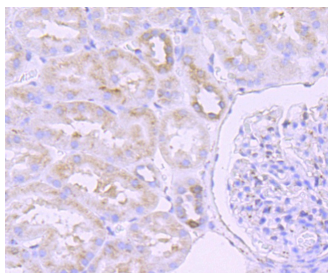
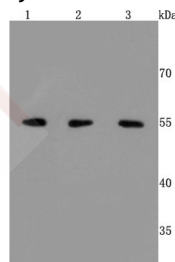
### Product Details

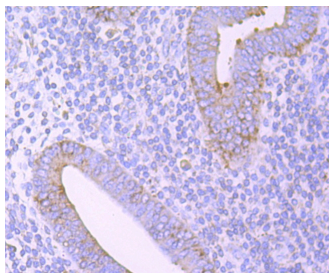
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 55 kDa.
Clone:	8V206
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of ERp57 on different cells lysates using anti-ERp57 antibody at 1/500 dilution. Positive control: Line 1: Hela, Line 2: HepG2, Line 3:293T.
2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-ERp57 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-ERp57 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-ERp57 antibody. Counter stained with hematoxylin.





Application: IHC,IP,WB

Recommended WB: 1:500-1000; IHC: 1:50-200; IP: 1:10-50

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### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P30101

Synonyms: PDIA3 protein;ER protein 57;Disulfide isomerase ER-60;Protein disulfide-isomerase A3;58 kDa glucose-regulated protein

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### Research Background

Mammals defend themselves against intracellular pathogens through presentation of cytoplasmically-derived short pathogenic peptides to the cell surface of cytotoxic T lymphocytes, which subsequently leads to cytotoxic events with respect to the affected cell. Antigen presentation is mediated by major histocompatibility complex (MHC) class I molecules, which bind and coordinate short pathogenic peptides. MHC class I molecules assemble in the endoplasmic reticulum with chaperones before binding to the transporter associated with antigen processing (TAP). ERp57, also designated GRP57, GRP58, ERp60 and ERp61, is a component of the MHC class I pathway that appears to interact with MHC class I molecules before they associate with TAP. The human ERp57 gene maps to chromosome 15q15 and encodes a 505 amino acid protein. ERp57 has two Trp-Cys-Gly-His-Cys-Lys motifs completely conserved among the mammals. ERp57 may act as a protease, a protein disulfide isomerase, a phospholipase or a combination of these.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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