

## Anti-PFDN2 Antibody (5J899)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5J899
Purification:	Protein A

## Applications

Verified Activity:	Immunofluorescence staining of PFDN2 in HUVEC cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human PFDN2 monoclonal antibody (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor <sup>®</sup> 594-conjugated Goat Anti-mouse IgG secondary antibody (red). Positive staining was localized to Nucleus and cytoplasm.
Application:	ICC/IF
Recommended	ICC-IF: 1:20-1:100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human PFDN2 Protein (TMPY-03396)
Antigen Species:	Human
Synonyms:	prefoldin subunit 2;PFD2

## Research Background

PFD2, also known as PFDN2, belongs to the prefoldin beta subunit family. PFD2 is one of six subunits of prefoldin, a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thereby allowing them to fold correctly. The complex, consisting of two alpha and four beta subunits, forms a double beta barrel assembly with six protruding coiled-coils. PFD2 binds specifically to cytosolic chaperonin (c-CPN) and transfers target proteins to it. PFD2 also binds to a nascent polypeptide chain and promotes folding in a setting in which there are many competing pathways for nonnative proteins.

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

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