

**IER3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
Catalog # AP11790a

**Specification**

**IER3 Antibody (N-term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">P46695</a>
Other Accession	<a href="#">NP_003888.2</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Antigen Region	<b>38-65</b>

**IER3 Antibody (N-term) - Additional Information**

**Gene ID 8870**

**Other Names**

Radiation-inducible immediate-early gene IEX-1, Differentiation-dependent gene 2 protein, Protein DIF-2, Immediate early protein GLY96, Immediate early response 3 protein, PACAP-responsive gene 1 protein, Protein PRG1, IER3, DIF2, IEX1, PRG1

**Target/Specificity**

This IER3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 38-65 amino acids from the N-terminal region of human IER3.

**Dilution**

WB ~ ~ 1:2000

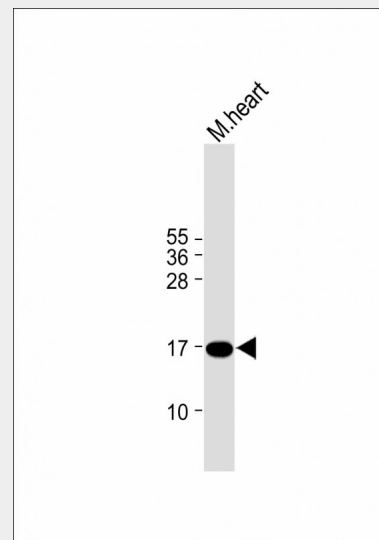
**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

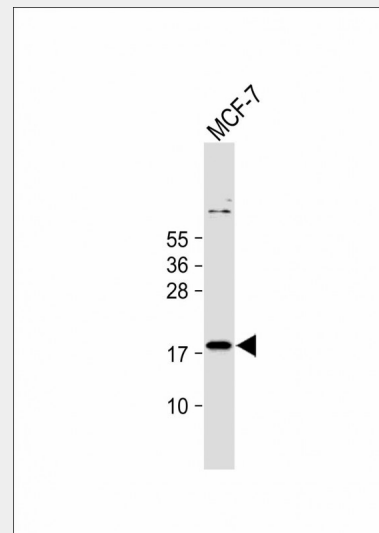
**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**



Anti-IER3 Antibody (N-term) at 1:1000 dilution + mouse heart lysate  
Lysates/proteins at 20 µg per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 17 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-IER3 Antibody (N-term) at 1:1000 dilution + MCF-7 whole cell lysate  
Lysates/proteins at 20 µg per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L),

IER3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### IER3 Antibody (N-term) - Protein Information

**Name** IER3

**Synonyms** DIF2, IEX1, PRG1

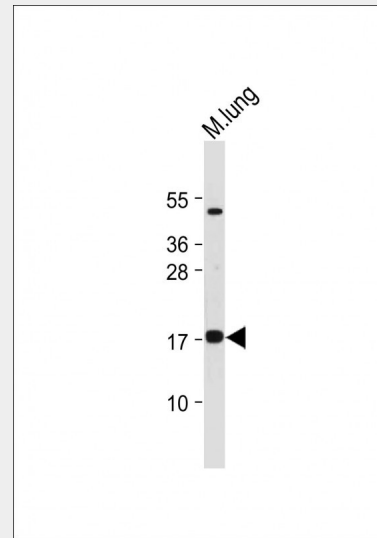
#### Function

May play a role in the ERK signaling pathway by inhibiting the dephosphorylation of ERK by phosphatase PP2A-PPP2R5C holoenzyme. Acts also as an ERK downstream effector mediating survival. As a member of the NUPR1/RELB/IER3 survival pathway, may provide pancreatic ductal adenocarcinoma with remarkable resistance to cell stress, such as starvation or gemcitabine treatment.

#### Cellular Location

Membrane; Single-pass type II membrane protein

Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 17 kDa  
Blocking/Dilution buffer: 5% NFD/MTBST.



Anti-IER3 Antibody (N-term) at 1:2000 dilution + Mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

#### IER3 Antibody (N-term) - 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](#)

#### IER3 Antibody (N-term) - Background

This gene functions in the protection of cells from Fas- or tumor necrosis factor type alpha-induced apoptosis. Partially degraded and unspliced transcripts are found after virus infection in vitro, but these transcripts are not found in vivo and do not generate a valid protein.

#### IER3 Antibody (N-term) - References

- Shahid, M., et al. Hypertension 56(4):705-712(2010)  
Ucisk-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010)  
Fellay, J., et al. PLoS Genet. 5 (12), E1000791 (2009) :  
Do, T.N., et al. Cancer Genet. Cytogenet. 195(1):31-36(2009)  
Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :

#### IER3 Antibody (N-term) - Citations

- [Identification of novel molecular markers through transcriptomic analysis in human fetal](#)

[and adult corneal endothelial cells.](#)