

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

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

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

**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**

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**

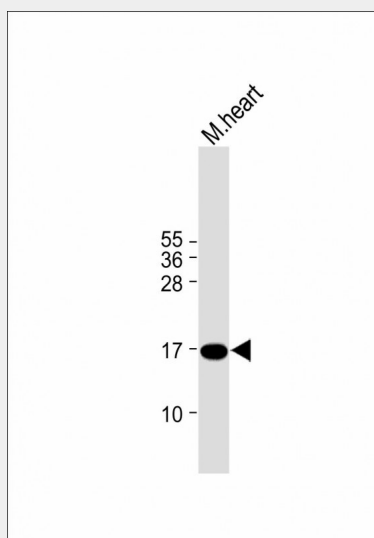
Membrane; Single- pass type II membrane protein

#### **IER3 Antibody (N-term) - Protocols**

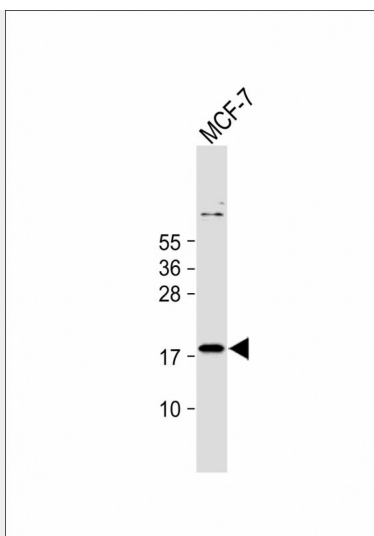
Provided below are standard protocols that you may find useful for product applications.

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

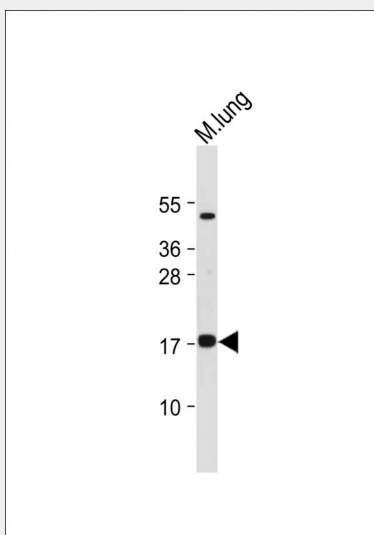
#### **IER3 Antibody (N-term) - Images**



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), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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% NFDM/TBST.

### **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)  
Ucisik-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.](#)