

# IER3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11790a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P46695</a>
<b>Other Accession</b>	<a href="#">NP_003888.2</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB20475
<b>Calculated MW</b>	16903
<b>Antigen Region</b>	38-65

## Additional Information

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<b>Gene ID</b>	8870
<b>Other Names</b>	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
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	IER3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	IER3
<b>Synonyms</b>	DIF2, IEX1, PRG1

<b>Function</b>	May play a role in the ERK signaling pathway by inhibiting the dephosphorylation of ERK by phosphatase PP2A-PPP2R5C holoenzyme. Also acts 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.
<b>Cellular Location</b>	Membrane; Single- pass type II membrane protein

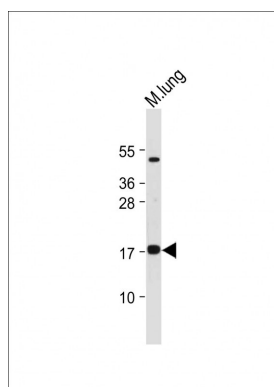
## Background

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.

## 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) :

## Images



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.

## Citations

- [Identification of novel molecular markers through transcriptomic analysis in human fetal and adult corneal endothelial cells.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.