

## Rabbit IEX1 Polyclonal Antibody | anti-IER3 antibody

IEX1 Antibody

| CATALOG # | HOST   | REACTIVITY                                                                               | APPLICATIONS |
|-----------|--------|------------------------------------------------------------------------------------------|--------------|
| AAA329055 | Rabbit | HumanPredicted Reactivity: Pig(100%), Bovine(100%), Horse(88%), Sheep(100%), Rabbit(88%) | ELISA        |

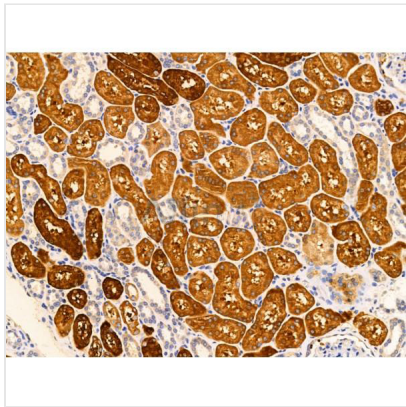
### PRODUCT SYNONYMS

IEX1; Polyclonal Antibody; IEX1 Antibody; DIF2; Differentiation-dependent gene 2 protein; GLY96; IER3; IEX1\_HUMAN; IEX1L; Immediate early protein GLY96; Immediate early response 3; Immediate early response 3 protein; Immediately early gene X 1; PACAP-responsive gene 1 protein; PRG 1; PRG1; Protein DIF 2; Protein DIF-2; Protein PRG1; Radiation-inducible immediate-early gene IEX-1; anti-IER3 antibody

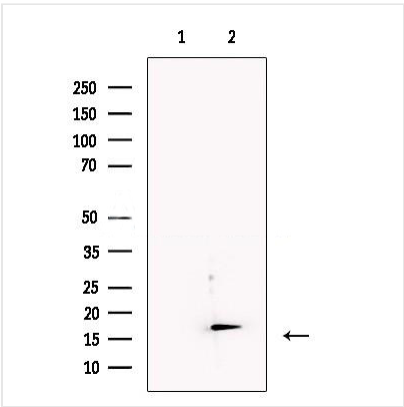
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                   |
| Reactivity                                     | Human<br>Predicted Reactivity: Pig(100%), Bovine(100%), Horse(88%), Sheep(100%), Rabbit(88%)                             |
| Clonality                                      | Polyclonal                                                                                                               |
| Isotype                                        | IgG                                                                                                                      |
| Specificity                                    | IEX1 Antibody detects endogenous levels of total IEX1.                                                                   |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific). |
| Form/Format                                    | Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol                  |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                   |
| Sequence Length                                | 156                                                                                                                      |
| Applicable Applications for anti-IER3 antibody | ELISA                                                                                                                    |
| Immunogen                                      | A synthesized peptide derived from human IEX1, corresponding to a region within C-terminal amino acids.                  |
| Fragment                                       | Fab fragment                                                                                                             |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                        |

IMAGES



**IHC (Immunohistochemistry)**  
AAA329055 at 1/100 staining Human kidney cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from Human Adrenal, using IEX1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-IER3 antibody | 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. |
|                                                    | Post Translational Modifications: Phosphorylated at Thr-18, Thr-123 and Ser-126 by MAPK1/ERK2 and probably MAPK3/ERK1. Upon phosphorylation by MAPK1/ERK2 and MAPK3/ERK1, acquires the ability to inhibit cell death induced by various stimuli.Glycosylated.                                                                                                                                   |
|                                                    | Subcellular Location: Membrane>Single-pass type II membrane protein.                                                                                                                                                                                                                                                                                                                            |
|                                                    | Subunit Structure: Interacts with the PPP2R5C-PP2A holoenzyme and ERK kinases; regulates ERK dephosphorylation.                                                                                                                                                                                                                                                                                 |
|                                                    | Similarity: Belongs to the IER3 family.                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119964723                                                                                    |
| NCBI GeneID                      | 8870                                                                                         |
| NCBI Accession #                 | NP_003888.2                                                                                  |
| NCBI GenBank Nucleotide #        | NP_003888.2                                                                                  |
| UniProt Accession #              | P46695                                                                                       |
| Molecular Weight                 | Observed Molecular Weight: (Observed)16kD.<br>Predicted Molecular Weight: (Calculated)17kDa. |
| NCBI Official Full Name          | radiation-inducible immediate-early gene IEX-1                                               |
| NCBI Official Synonym Full Names | immediate early response 3                                                                   |
| NCBI Official Symbol             | IER3                                                                                         |
| NCBI Official Synonym Symbols    | DIF2; IEX1; PRG1; DIF-2; GLY96; IEX-1; IEX-1L                                                |
| NCBI Protein Information         | radiation-inducible immediate-early gene IEX-1                                               |

|                            |                                                |
|----------------------------|------------------------------------------------|
| UniProt Protein Name       | Radiation-inducible immediate-early gene IEX-1 |
| UniProt Gene Name          | IER3                                           |
| UniProt Synonym Gene Names | DIF2; IEX1; PRG1; Protein DIF-2; Protein PRG1  |
| UniProt Entry Name         | IEX1_HUMAN                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/iex1-antibody-elisa/329055>