

Rabbit IEX1 Polyclonal Antibody | anti-IER3 antibody

IEX1 Antibody

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

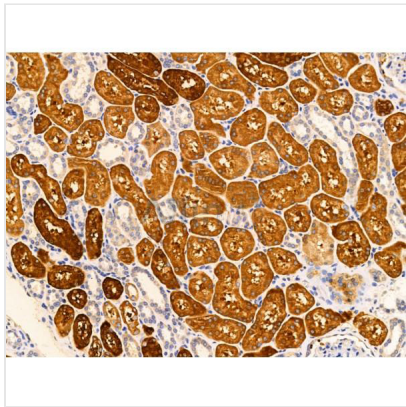
PRODUCT SYNONYMS

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

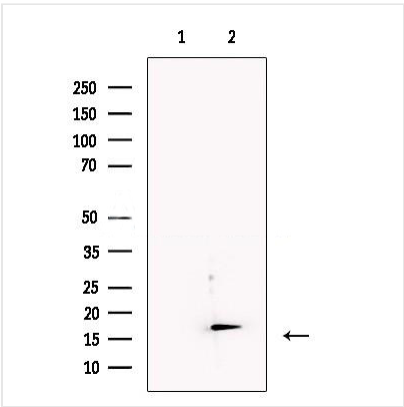
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human 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 (Immunohiostchemistry)
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 4Å°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. 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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/iex1-antibody-elisa/329055>