

## Product datasheet for **TA306438**

### IEX1 (IER3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 2 - 4 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IEX1 antibody was raised against a 24 amino acid peptide near the center of human IEX1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	immediate early response 3
Database Link:	<a href="#">NP_003888</a> <a href="#">Entrez Gene 15937 Mouse</a> <a href="#">Entrez Gene 8870 Human</a> <a href="#">P46695</a>

**Background:** IEX-1 is a stress inducible gene that is induced by ionizing radiation, ultraviolet radiation, and a variety of growth factors, i.e., FAS and TNF- $\alpha$ . IEX-1 is widely expressed in epithelial and endocrine tissues, as well as in vascular endothelium. It plays an important role in the regulation of cellular growth, cell death and oncogenesis. IEX-1 is precisely regulated by multiple transcription factors such as p53, NF- $\kappa$ B/rel, Sp1 and c-Myc, to ensure rapid and transient expression of IEX-1 in cells under a variety of stress conditions. IEX-1 is expressed as both a longer form (IEX1L) and a splice variant, designated IEX1S. It is localized to the nucleus and perinuclear region. Overexpression of IEX-1 facilitates apoptosis and cell cycle progression, whereas disruption of IEX-1 expression is associated with decreases in both apoptosis and cell cycle progression.

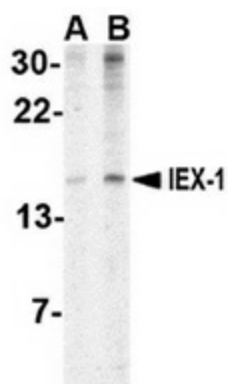


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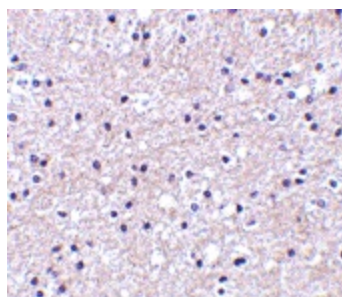
**Synonyms:** DIF-2; DIF2; GLY96; IEX-1; IEX-1L; IEX1; PRG1

**Protein Families:** Druggable Genome

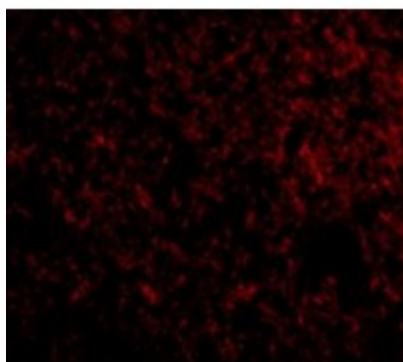
**Product images:**



Western blot analysis of IEX1 in human brain tissue lysate with IEX1 antibody at (A) 2 and (B) 4 ug/ml.



Immunohistochemistry of IEX1 in human liver tissue with IEX1 antibody at 2.5 ug/ml.



Immunofluorescence of IEX1 in Human Brain cells with IEX1 antibody at 20 ug/mL.