

## Anti-IEX-1 IER3 Antibody

Catalog Number: A04014

### About IER3

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-kappaB/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.

### Overview

Product Name	Anti-IEX-1 IER3 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-IEX-1 IER3 Antibody (Catalog # A04014). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	IEX-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P46695

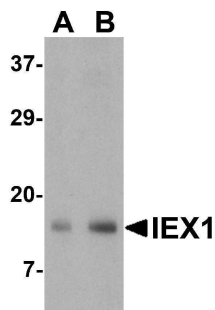
### Technical Details

Immunogen	IEX1 antibody was raised against a 24 amino acid synthetic peptide near the center of human IEX1. The immunogen is located within amino acids 40 - 90 of IEX-1.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	IEX-1 Antibody is affinity chromatography purified via peptide column.

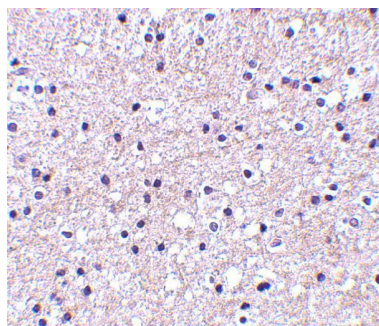
**Suggested Dilutions**

IEX1 antibody can be used for detection of IEX1 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

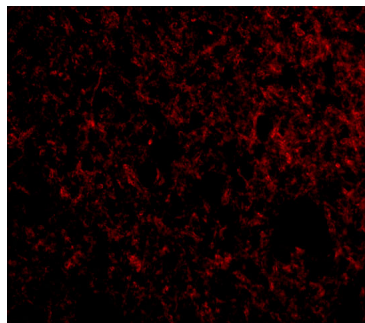
## Anti-IEX-1 IER3 Antibody (A04014) Images



Western blot analysis of IEX-1 in mouse skin tissue lysate with IEX-1 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of IEX-1 in human liver tissue with IEX-1 antibody at 2.5 ug/mL.



Immunofluorescence of IEX-1 in Human Brain cells with IEX-1 antibody at 20 ug/mL.

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