Datasheet for ABIN499960

anti-IER3 antibody (Center)

2 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	IER3
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IER3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	IEX1 antibody was raised against a 24 amino acid peptide near the center of human IEX1.
Isotype:	IgG
Specificity:	This antibody reacts to IEX1.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IER3
Alternative Name:	IER3 / IEX1 (IER3 Products)
Background:	IEX-1 is a stress inducible gene that is induced by ionizing radiation, ultraviolet radiation, and a

Target Details

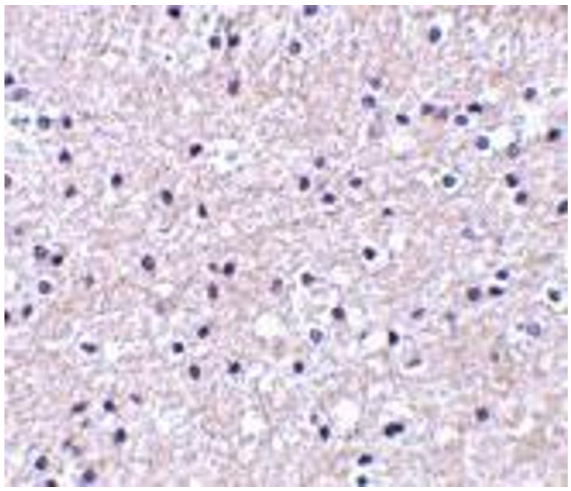
	variety of growth factors, i.e., FAS and TNF-a. IEX-1 is widely expressed in epithelial and endocrine tissues, as well as in vascular endothelium. It plays an important role in the regulation of cellular growth, cell death and oncogenesis. IEX-1 is precisely regulated by multiple transcription factors 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.Synonyms: DIF2, Differentiation-dependent gene 2 protein, GLY96, IEX-1, Immediate early protein GLY96, Immediate early response 3 protein, PACAP-responsive gene 1 protein, PRG1, Radiation-inducible immediate-early gene IEX-1
Gene ID:	8870
UniProt:	P46695
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	ELISA. Western Blot: 2 - 4 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

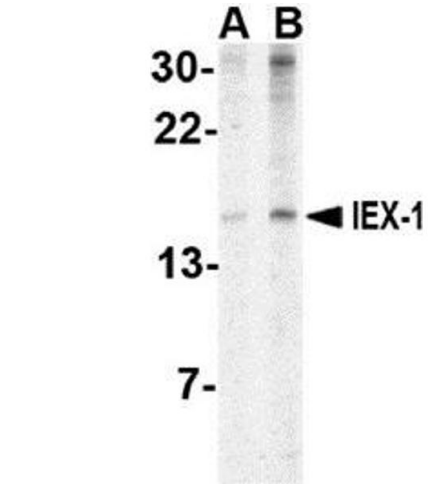
Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of IEX-1 in human liver tissue with IEX-1 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of IEX1 in human brain tissue lysate with AP30400PU-N IEX1 antibody at (A) 2 and (B) 4 µg/ml.