

Datasheet for ABIN2855339
anti-HYOU1 antibody (C-Term)

8 Images

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Overview

Quantity:	100 µL
Target:	HYOU1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HYOU1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human ORP150. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Plant, Rat
Characteristics:	Rabbit Polyclonal antibody to ORP150 (hypoxia up-regulated 1) ORP150 antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	HYOU1
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Target Details

Alternative Name:	hypoxia up-regulated 1 (HYOU1 Products)
Background:	<p>The protein encoded by this gene belongs to the heat shock protein 70 family. This gene uses alternative transcription start sites. A cis-acting segment found in the 5' UTR is involved in stress-dependent induction, resulting in the accumulation of this protein in the endoplasmic reticulum (ER) under hypoxic conditions. The protein encoded by this gene is thought to play an important role in protein folding and secretion in the ER. Since suppression of the protein is associated with accelerated apoptosis, it is also suggested to have an important cytoprotective role in hypoxia-induced cellular perturbation. This protein has been shown to be up-regulated in tumors, especially in breast tumors, and thus it is associated with tumor invasiveness. This gene also has an alternative translation initiation site, resulting in a protein that lacks the N-terminal signal peptide. This signal peptide-lacking protein, which is only 3 amino acids shorter than the mature protein in the ER, is thought to have a housekeeping function in the cytosol. In rat, this protein localizes to both the ER by a carboxy-terminal peptide sequence and to mitochondria by an amino-terminal targeting signal.</p> <p>Cellular Localization: Endoplasmic reticulum lumen</p>
Molecular Weight:	111 kDa
Gene ID:	10525
UniProt:	Q9Y4L1
Pathways:	ER-Nucleus Signaling , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: mouse liver , rat brain , MCF-7 , MDA-MB-231 Validation: Orthogonal
Restrictions:	For Research Use only

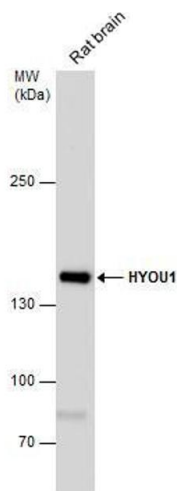
Handling

Format:	Liquid
Concentration:	0.41 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Handling

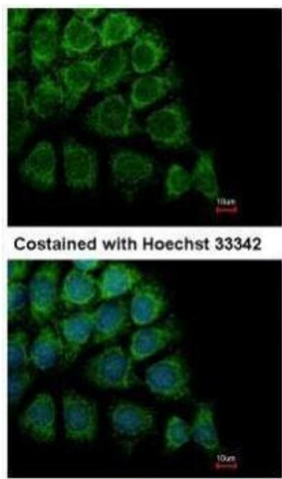
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



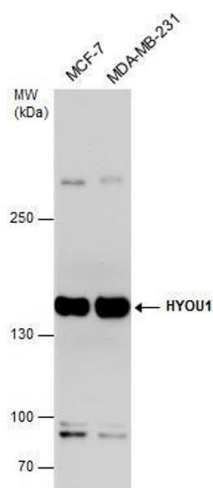
Western Blotting

Image 1. WB Image HYOU1 antibody detects HYOU1 protein by western blot analysis. Rat tissue extracts (50 µg) was separated by 5 % SDS-PAGE, and blotted with HYOU1 antibody , diluted by 1:1000



Immunofluorescence

Image 2. ICC/IF Image Immunofluorescence analysis of methanol-fixed Hep3B, using HYOU1, antibody at 1:500 dilution.



Western Blotting

Image 3. WB Image HYOU1 antibody detects HYOU1 protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 5 % SDS-PAGE, and blotted with HYOU1 antibody , diluted by 1:1000

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2855339.