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anti-HYOU1 antibody (AA 274-303)





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Quantity:	400 μL
Target:	HYOU1
Binding Specificity:	AA 274-303
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HYOU1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This HYOU1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 274-303 amino acids from the Central region of human HYOU1.
Clone:	RB18634
Isotype:	lg Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	HYOU1
Alternative Name:	HYOU1 (HYOU1 Products)

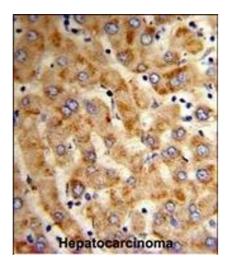
Target Details

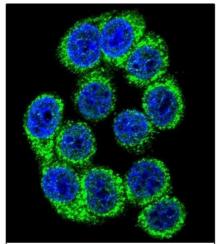
l arget Details	
Background:	HYOU1 belongs to the heat shock protein 70 family. The protein is thought to play an important role in protein folding and secretion in the ER. Since suppression of the protein is associated with accelerated apoptosis, it is also suggested to have an important cytoprotective 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 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.
Molecular Weight:	111335
Gene ID:	10525
NCBI Accession:	NP_001124463, NP_006380
UniProt:	Q9Y4L1
Pathways:	ER-Nucleus Signaling, SARS-CoV-2 Protein Interactome
Application Details	
Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

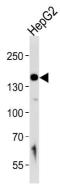
aliquots to prevent freeze-thaw cycles.

6 months

Expiry Date:







Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with HYOU1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Immunofluorescence

Image 2. Confocal immunofluorescent analysis of HYOU1 Antibody (Center) (ABIN391486 and ABIN2841454) with 293 cell followed by Alexa Fluor 488-conjugated goat antirabbit IgG (green). DI was used to stain the cell nuclear (blue).

Western Blotting

Image 3. Western blot analysis of lysate from HepG2 cell line, using HYOU1 Antibody (Center) (ABIN391486 and ABIN2841454). (ABIN391486 and ABIN2841454) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg per lane.