

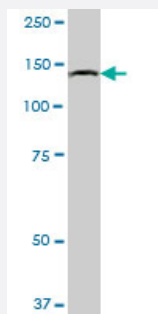
MaxPab®

HYOU1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010525-B01P

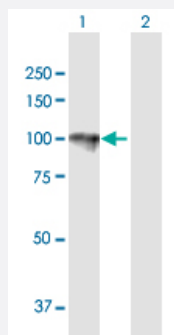
Size 50 ug

Applications



Western Blot (Tissue lysate)

HYOU1 MaxPab polyclonal antibody. Western Blot analysis of HYOU1 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of HYOU1 expression in transfected 293T cell line ([H00010525-T01](#)) by HYOU1 MaxPab polyclonal antibody.

Lane 1: HYOU1 transfected lysate(74.58 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human HYOU1 protein.

Immunogen

HYOU1 (AAH72436.1, 1 a.a. ~ 678 a.a) full-length human protein.

Sequence	MADKVRQRPRRRVCWALVAVLLADLLALSDTLAVMSVDLGSESMKVAVKPGVPMENVLNKES RRKTPVIVTLKENERFFGDSAASMAIKNPKATLRYFQHLLGKQADNPHVALYQARFPEHELTFDPO RQTVHFQISSQLQFSPEEVLGMVLNYSRSLAEDFAEQPIKDAVITVPVFFNQAERRAVLQAARMA GLKVLQLINDNTATALSYGVFRRKDINTTAQNIMFYDMGSGSTVCTIVTYQMVKTKEAGMQPQLQIR GVGFDRTLGGLEMEELRLRERLAGLFNEQRKGQRAKDVRENPRAMAKLLREANRLKTVLSANAD HMAQIEGLMDDVDVDFKAKVTRVEFEELCADLFEVPGPVQQALQSAEMSLDEIEQVILVGGATRV PRVQEVLLKAVGKEELGKNINADEAAAMGAVYQAAALSKAFKVKPFVVRDAVVYPILVEFTREVE EEPGIHSLKHNRVLF SRMGYPQRKVITFNRYSHDFNFHINYGDLGFLGPEDLRVFGSQNLTTVK LKGVGDSFKKYPDYESKGIKAHFNLDSESVLSDRVESVFETLVEDSAEEESTLTKLGNTISSLFG GGTTPDAKENGTDTVQEEEESPAEGSKDEPGEQVELKEEAEPVEDGSQPPPPPEPKGDATPE GEKATEKENGDKSEAQKPSVCRASVTRFGF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

HYOU1 MaxPab polyclonal antibody. Western Blot analysis of HYOU1 expression in human liver.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of HYOU1 expression in transfected 293T cell line ([H00010525-T01](#)) by HYOU1 MaxPab polyclonal antibody.

Lane 1: HYOU1 transfected lysate(74.58 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — HYOU1

Entrez GeneID

[10525](#)

GeneBank Accession#

[BC072436.1](#)

Protein Accession#	AAH72436.1
Gene Name	HYOU1
Gene Alias	DKFZp686N08236, FLJ94899, FLJ97572, Grp170, HSP12A, ORP150
Gene Description	hypoxia up-regulated 1
Omim ID	601746
Gene Ontology	Hyperlink
Gene Summary	<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. [provided by RefSeq]</p>
Other Designations	150 kDa oxygen-regulated protein glucose-regulated protein 170 oxygen regulated protein (150kD)

Disease

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- [Diabetes Mellitus](#)
- [Edema](#)