Web: www.taiclone.com
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# Anti HYOU1 Antibody

## Catalog No: tcsa19953

### Available Sizes

**Size:** 100µl

### Specifications

**Application:**
WB, IHC

**Species Reactivity:**
Human,Mouse

**Host Species:**
Rabbit

**Immunogen / Amino acids:**
Recombinant protein of human HYOU1

**Conjugation:**
Unconjugated

**Clonality:**
Polyclonal

**Isotype:**
IgG

**Form:**
Liquid

**Storage Buffer:**
PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Recommended Dilution:**
WB 1:500 - 1:2000
IHC 1:50 - 1:200

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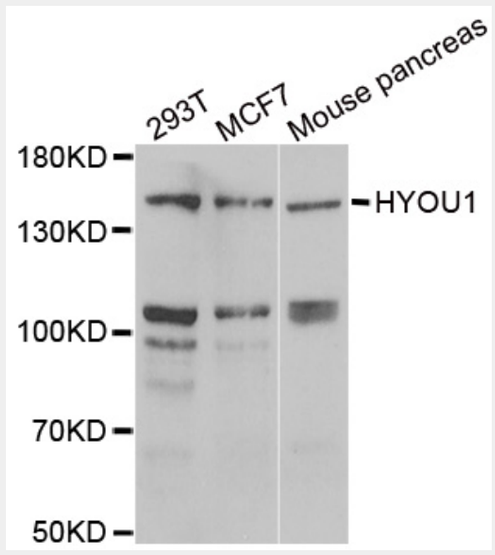
**Storage Instruction:**
Store at -20C. Avoid freeze / thaw cycles.

**Alternative Names:**
HYOU1 antibody; Hypoxia up-regulated protein 1 antibody; 150 kDa oxygen-regulated protein antibody; ORP-150 antibody; 170 kDa glucose-regulated protein antibody; GRP-170 antibody; HYOU1 antibody; GRP170 antibody; ORP150 antibody

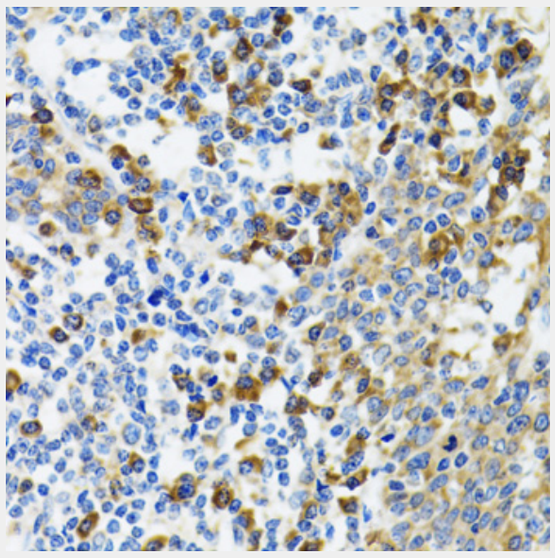
**SwissProt:**
Q9Y4L1

## Product Description

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. Alternative splicing results in multiple transcript variants.




Western blot analysis of extracts of various cell lines, using HYOU1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 15min.



Immunohistochemistry of paraffin-embedded human tonsil using HYOU1 antibody at dilution of 1:100 (40x lens).

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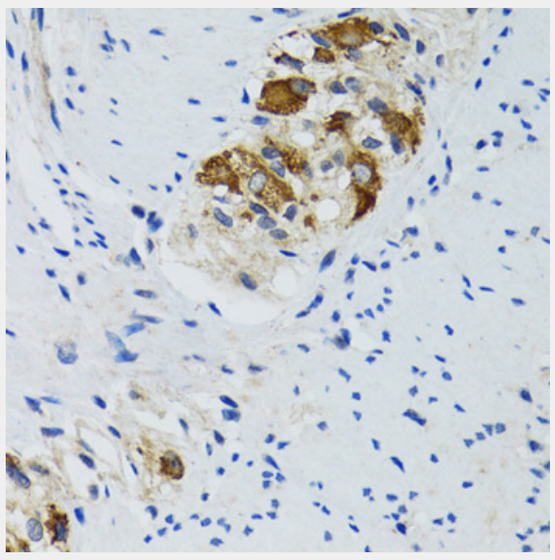
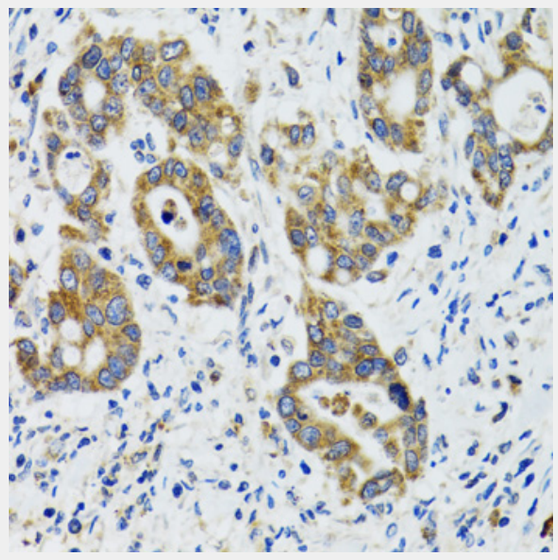
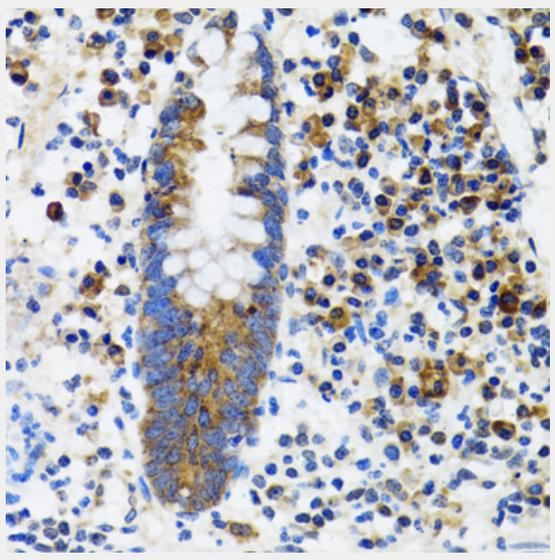


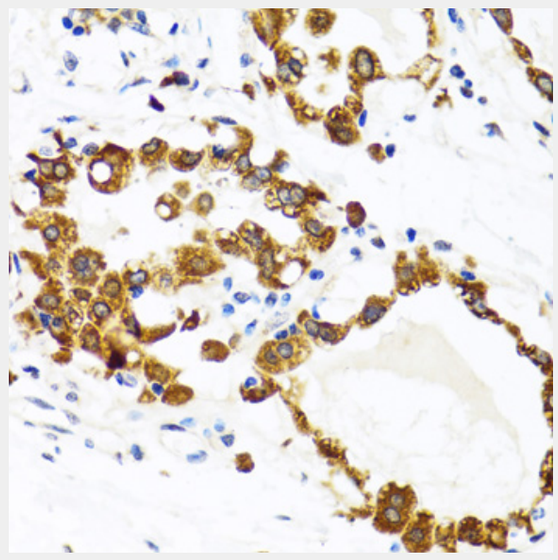
Immunohistochemistry of paraffin-embedded human colon using HYOU1 antibody at dilution of 1:100 (40x lens).



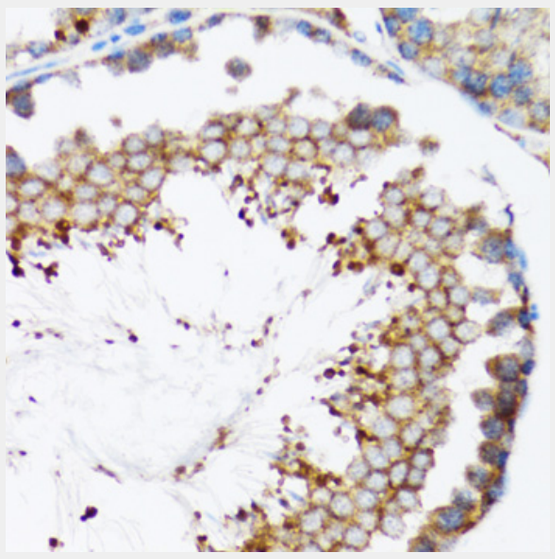
Immunohistochemistry of paraffin-embedded human colon carcinoma using HYOU1 antibody at dilution of 1:100 (40x lens).



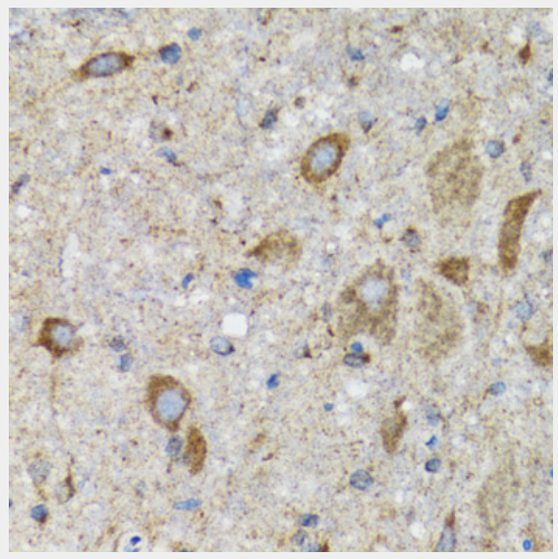
Immunohistochemistry of paraffin-embedded human vermiform appendix using HYOU1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human breast using HYOU1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using HYOU1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spinal cord using HYOU1 antibody at dilution of 1:100 (40x lens).