



Rabbit anti HYOU1 Polyclonal Antibody

Alternative Name(s): Hypoxia up-regulated 1

Order Information

- **Description:** HYOU1
- **Catalogue:** 600-620
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide next to the C-terminus of HYOU1 protein. This sequence is identical to rat, mouse, human and dog, bovine and horse origins.

BACKGROUND

The Hypoxia up-regulated 1 (HYOU1) protein belongs to the heat shock protein 70 family. It plays an important role in protein folding and secretion in the endoplasmic reticulum (ER). This protein is involved in stress-dependent induction, resulting in the accumulation of this protein in the ER under hypoxic conditions. It also has been shown to be up-regulated in tumors, especially in breast tumors, and thus it is associated with tumor invasiveness.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~150 kDa of HYOU1 Protein. It cross-reacts with human, mouse and rat. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

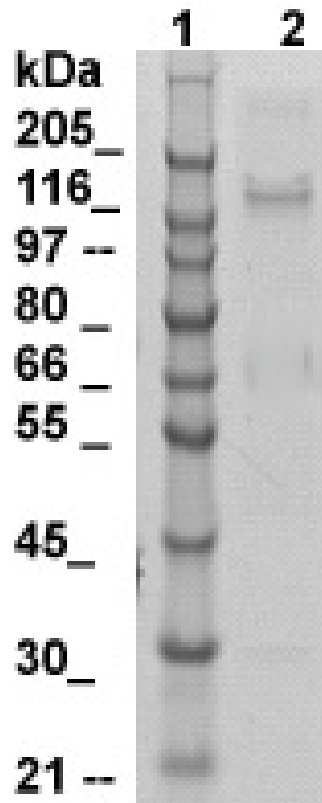
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 150.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Western Blot: Tissue lysate from hypoxic mouse brain was resolved onto 10% SDS-PAGE and transferred onto NC Membrane, then immune-probed by Anti-HYOU1 antibody (Cat# 600-640) at 1:500. An immunoreactive protein is observed around ~150kDa.

REFERENCES

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