

Rabbit HYOU1 Polyclonal Antibody | anti-HYOU1 antibody

Rabbit anti HYOU1 Polyclonal Antibody

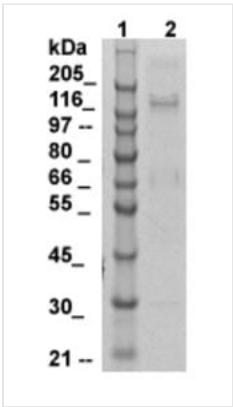
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71326	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, ELISA

PRODUCT SYNONYMS

HYOU1; Polyclonal Antibody; Rabbit anti HYOU1 Polyclonal Antibody; Hypoxia up-regulated 1; anti-HYOU1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody recognizes ~150 kDa of HYOU1 Protein. It cross-reacts with human, mouse and rat. The other species are not tested.
Purity/Purification	Purified by Epitope Affinity Purification
Form/Format	Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Sequence Length	657
Applicable Applications for anti-HYOU1 antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
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.
Positive Control	Hypoxia mouse brain
Cell Location	Cytoplasmic/ER
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70°C. The antibodies can be stored at 2°C - 8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.



Application Data

WB: Tissue lysate from hypoxic mouse brain (lane 2) was resolved onto 10% SDS-PAGE and transferred onto NC Membrane, then immune-probed by Anti-HYOU1 antibody, at 1:500. An immunoreactive protein is observed around ~150kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HYOU1 antibody	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.
References	Bando, Y., et al. 150-kDa oxygen-regulated protein (ORP150) functions as a novel molecular chaperone in MDCK cells. JOURNAL Am. J. Physiol., Cell Physiol. 278 (6), C1172-C1182 (2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	116283339
NCBI GeneID	10525
Molecular Weight	~150 kDa
NCBI Official Full Name	HYOU1 protein, partial
NCBI Official Synonym Full Names	hypoxia up-regulated 1
NCBI Official Symbol	HYOU1
NCBI Official Synonym Symbols	Grp170; HSP12A; ORP150; GRP-170; ORP-150
NCBI Protein Information	hypoxia up-regulated protein 1
UniProt Protein Name	Hypoxia up-regulated protein 1
UniProt Gene Name	HYOU1
UniProt Synonym Gene Names	GRP170; ORP150; ORP-150; GRP-170

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.