

Rabbit anti-Human, Rat ORP150 Polyclonal Antibody | anti-ORP150 antibody

ORP150 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75892	Rabbit	Human, Rat	Western Blot, Immunoprecipitation, ELISA

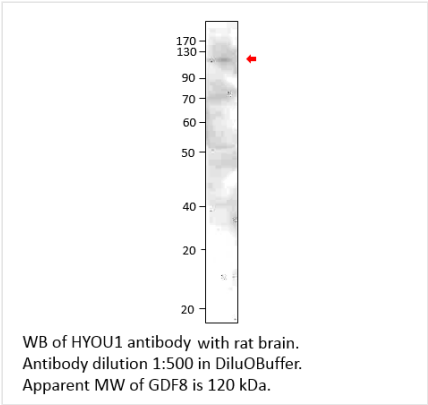
PRODUCT SYNONYMS

ORP150; Polyclonal Antibody; ORP150 Antibody; 150 kDa oxygen regulated protein; 170 kDa glucose regulated protein; DKFZp686N08236; FLJ94899; FLJ97572; glucose regulated protein 170; Grp 170; Grp170; HSP 12A; HSP12A; Hyou1; Hypoxia up regulated 1; Orp 150; Orp150; oxygen regulated protein (150kD) antibody; anti-ORP150 antibody

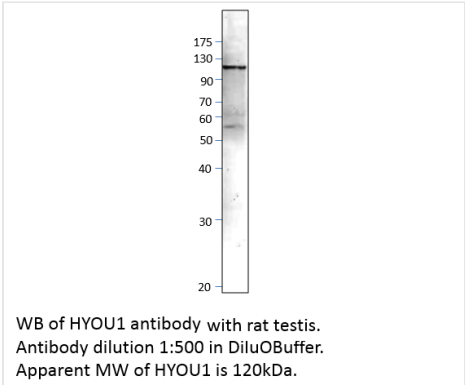
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.5 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	999
Applicable Applications for anti-ORP150 antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
Immunogen	Synthetic peptide taken within amino acid region 977-999 on human Hypoxia up regulated 1.
Immunoglobulin	IgG
Expression	Highly expressed in tissues that contain well-developed endoplasmic reticulum and synthesize large amounts of secretory proteins. Highly expressed in liver and pancreas and lower expression in brain and kidney. Also expressed in macrophages within aortic atherosclerotic plaques, and in breast cancers.
Molecular Function	ATP binding; chaperone binding
Structure	Part of a large chaperone multiprotein complex comprising DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PDIA6, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor CANX. Belongs to the heat shock protein 70 family.
Subcellular Location	Endoplasmic Reticulum lumen
Preparation and Storage	-20° degree C for long term storage

IMAGES



WB (Western Blot)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-ORP150 antibody	Affinity Purified Hypoxia up regulated 1 Antibody Has a pivotal role in cytoprotective cellular mechanisms triggered by oxygen deprivation. May play a role as a molecular chaperone and participate in protein folding.
Product Categories/Family for anti-ORP150 antibody	Primary Antibodies; Metabolism & Homeostasis; Hypoxia; ORP150 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	10720185
NCBI GeneID	10525
UniProt Accession #	Q9Y4L1; Q2I204; Q53H25; A8C1Z0; B7Z909
Molecular Weight	62,757 Da
NCBI Official Full Name	Hypoxia up-regulated protein 1
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
UniProt Entry Name	HYOU1_HUMAN

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.