

Rabbit anti-Human ORP150/HYOU1 Polyclonal Antibody | anti-ORP150/HYOU1 antibody

Rabbit anti-ORP150/HYOU1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213487	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

ORP150/HYOU1; Polyclonal Antibody; Rabbit anti-ORP150/HYOU1 Antibody; Affinity Purified; ORP-150; oxygen regulated protein (150kD); ORP150; hypoxia up-regulated protein 1; HSP12A; Grp170; epididymis secretory sperm binding protein; 150 kDa oxygen-regulated protein; 170 kDa glucose-regulated protein; GRP-170; Hypoxia up-regulated protein 1; hypoxia up-regulated 1; anti-ORP150/HYOU1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ORP150/HYOU1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat
Immunogen	Between 949 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human ORP150/HYOU1 by western blot. Samples: Whole cell lysate (10 ug) from Hep-G2, MCF-7, U2OS, HeLa, and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ORP150/HYOU1 antibody (AAA213487 lot 1) used for WB at 0.04 mg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human ORP150/HYOU1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ORP150/HYOU1 antibody (AAA213487 lot 1) used for IP at 1 ug per reaction. ORP150/HYOU1 was also immunoprecipitated by a second antibody against a different epitope of ORP150/HYOU1 (BL19596). For blotting immunoprecipitated ORP150/HYOU1, AAA213487 was used at 0.04 mg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-ORP150/HYOU1 antibody	ORP150 belongs to the heat shock protein 70 family that is involved in stress-dependent induction, resulting in the accumulation of this protein in the endoplasmic reticulum (ER) under hypoxic conditions. ORP150 is also thought to play an important role in protein folding and secretion in the ER and is also suggested to have an important cytoprotective role in hypoxia-induced cellular perturbation. Finally, ORP150 has been shown to be up-regulated in tumors, especially in breast tumors, and thus it is associated with tumor invasiveness. [taken from NCBI Entrez Gene (Gene ID: 10525)].
Product Categories/Family for anti-ORP150/HYOU1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453832
NCBI GeneID	10525
NCBI Accession #	NP_006380.1
NCBI GenBank Nucleotide #	NM_006389.4
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; 150 kDa oxygen-regulated protein; oxygen regulated protein (150kD); 170 kDa glucose-regulated protein
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/orp150-hyou1-antibody-immunoprecipitation-western-blot-elisa/213487>