

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

Anti-ORP150 Antibody, Rabbit Polyclonal

CATALOG # AAA255405	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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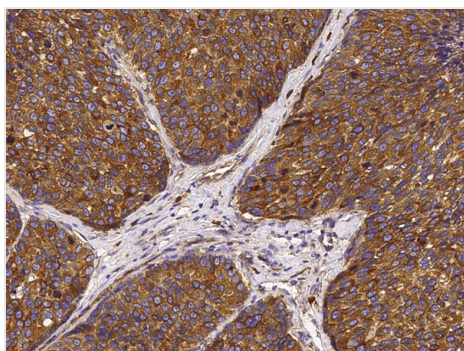
PRODUCT SYNONYMS

ORP150; Polyclonal Antibody; Anti-ORP150 Antibody; Rabbit Polyclonal; ORP150/HYOU1/HSP12A Antibody; Rabbit PAb; Antigen Affinity Purified; hypoxia up-regulated 1; Anti-GRP-170 Antibody; Anti-Grp170 Antibody; Anti-HSP12A Antibody; Anti-ORP-150 Antibody; anti-HYOU1 antibody

PRODUCT SPECIFICATIONS

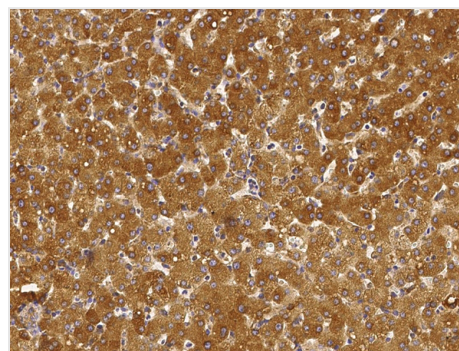
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HYOU1/HSP12A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-HYOU1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human HSP12A protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human HSP12A (rh HSP12A). HSP12A specific IgG was purified by human HSP12A affinity chromatography .
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human HSP12A in human breast carcinoma with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human HSP12A in human liver with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-HYOU1 antibody	Hypoxia up-regulated protein 1, also known as 15 kDa oxygen-regulated protein, 17 kDa glucose-regulated protein, ORP-15, GRP-17, and HYOU1, is a member of the heat shock protein 7 family. Seven members from four different heat shock protein (HSP) families were identified including HYOU1 (ORP15), HSPC1 (HSP86), HSPA5 (Bip), HSPD1 (HSP6), and several isoforms of the two testis-specific HSP7 chaperones HSPA2 and HSPA1L. HYOU1 is highly expressed in tissues that contain well-developed endoplasmic reticulum and synthesize large amounts of secretory proteins. It is highly expressed in the liver and pancreas. HYOU1 is also expressed in macrophages within aortic atherosclerotic plaques and in breast cancers. HYOU1 has a pivotal role in cytoprotective cellular mechanisms triggered by oxygen deprivation. It may play a role as a molecular chaperone and participate in protein folding. Suppression of HYOU1 is associated with accelerated apoptosis. It is suggested to have an important cytoprotective role in hypoxia-induced cellular perturbation. This protein is up-regulated in tumors, especially in breast tumors, and thus it is associated with tumor invasiveness.
References	Ikeda J., et al., (1997), Cloning and expression of cDNA encoding the human 150 kDa oxygen-regulated protein, ORP150. Biochem. Biophys. Res. Commun. 230:94-99.Kaneda S., et al., (2000), Production of three distinct mRNAs of 150 kDa oxygen-regulated protein (ORP150) by alternative promoters: preferential induction of one species under stress conditions.J. Biochem. 128:529-538.Takeuchi S., (2006), Molecular cloning, sequence, function and structural basis of human heart 150 kDa oxygen-regulated protein, an ER chaperone.Protein J. 25:517-528.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195976805
NCBI GeneID	10525
NCBI Accession #	NP_001124463.1
NCBI GenBank Nucleotide #	NM_001130991.2
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/orp150-antibody-immunohistochemistry-elisa/255405>