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ORP150 Rabbit mAb

Catalog # AP75843

Product Information

Application	WB, IHC-P, FC, IP
Primary Accession	Q9Y4L1
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	111335

Additional Information

Gene ID	10525
Other Names	HYOU1
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:20 IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

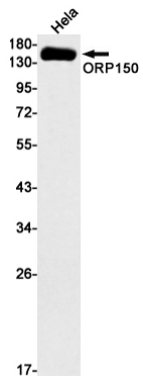
Protein Information

Name	HYOU1
Synonyms	GRP170, HSPH4 {ECO:0000303|PubMed:186636
Function	Has a pivotal role in cytoprotective cellular mechanisms triggered by oxygen deprivation. Promotes HSPA5/BiP-mediated ATP nucleotide exchange and thereby activates the unfolded protein response (UPR) pathway in the presence of endoplasmic reticulum stress (By similarity). May play a role as a molecular chaperone and participate in protein folding.
Cellular Location	Endoplasmic reticulum lumen.
Tissue Location	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

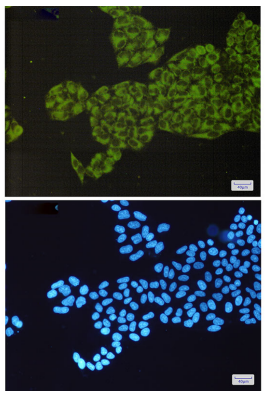
Background

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.

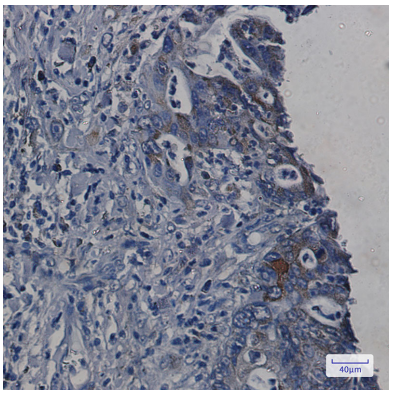
Images



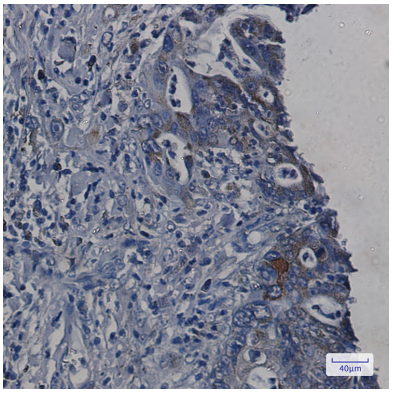
Western blot analysis of ORP150 in Hela lysates using ORP150 antibody.



Immunocytochemistry analysis of ORP150(green) in Hela using ORP150 antibody,and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using ORP150 antibody.
High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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