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ORP150 Antibody

Rabbit mAb
Catalog # AP91929

Product Information

Application	WB, IHC, FC
Primary Accession	Q9Y4L1
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Grp170; HSP12A; Hyou1; Orp150;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	111335

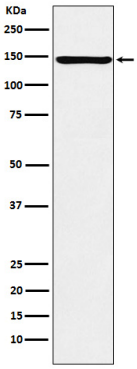
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ORP150
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Images



Western blot analysis of ORP150 expression in MCF7 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.