

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;

IsotypeRabbit IgGHostRabbitCalculated MW111335

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.

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