SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-ORP150/HRP Conjugated antibody

Catalog Number: SL4248R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-ORP150/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human ORP150
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Chicken,Dog,Pig,Cow,Horse)
Background:	background: ORP150 (150KDa Oxygen-regulated Protein) is a member of the heat shock protein/stress protein family and has a pivotal role in cytoprotective cellular mechanisms triggered by oxygen deprivation. This protein has also been described as a molecular chaperone, induced by various environmental and physiological stimuli, and participates in protein folding in the endoplasmic reticulum. Furthermore, ORP150 is up-regulated in tumors and, in breast tumors, may be associated with tumor invasiveness. **Function:** 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. **Subunit:** Part a large chaperone multiprotein complex comprising DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PDIA6, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor CANX. **Subcellular Location:** Endoplasmic reticulum lumen.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Tissue Specificity: 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. **Similarity:** Belongs to the heat shock protein 70 family. **Database links:** **Entrez Gene:** 10525 Human **Entrez Gene:** 12282 Mouse **Entrez Gene:** 192235 Rat Omim: 601746 Human **SwissProt:** Q9Y4L1 Human **SwissProt:** Q9JKR6 Mouse **SwissProt:** Q63617 Rat **Unigene:** 277704 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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