HO-1 protein

CatalogNo: YD0037

Key Features

Reactivity
- Human

Applications
- WB,SDS-PAGE

Storage

Storage*	-20°C/6 month,-80°C for long storage
Formulation	Liquid in PBS

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Source	E.coli
Purification	E.coli
Purity	SDS-PAGE >90%

Immunogen Information

Squence	Amino acid: 175-266, with his-MBP tag.

Target Information

Gene name	HMOX1 HO HO1

Protein Name HO-1 protein

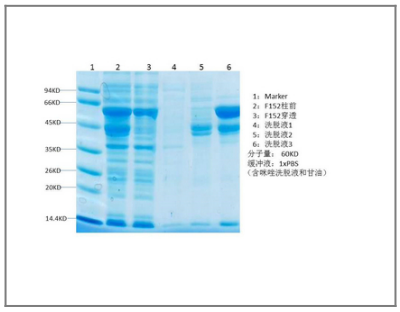
Organism	Gene ID	UniProt ID
Human	3162;	P09601;
Mouse		P14901;

Cellular Localization Endoplasmic reticulum membrane ; Single-pass type IV membrane protein ; Cytoplasmic side .

Tissue specificity Expressed at higher levels in renal cancer tissue than in normal tissue (at protein level).

Function response to reactive oxygen species, angiogenesis, blood vessel development, response to hypoxia, regulation of cytokine production, negative regulation of cytokine production, endothelial cell proliferation, vasculature development, healing during inflammatory response, negative regulation of immune system process, regulation of leukocyte migration, negative regulation of leukocyte migration, regulation of leukocyte activation, negative regulation of leukocyte activation, regulation of immune effector process, negative regulation of immune effector process,regulation of production of molecular mediator of immune response, negative regulation of production of molecular mediator of immune response, regulation of leukocyte mediated immunity, regulation of cytokine production during immune response, negative regulation of cytokine production during immune response, regulation of myeloid leukocyte mediated immunity, muscle system process, circulatory system process, regulation of transcription, DNA-dependent, regulation of transcription from RNA polymerase II promoter, porphyrin metabolic process, porphyrin catabolic process, heme oxidation, anti-apoptosis, induction of apoptosis, defense response, inflammatory response,response to DNA damage stimulus, response to oxidative stress, intracellular signaling cascade, protein kinase cascade, small GTPase mediated signal transduction, response to nutrient, excretion, blood circulation, regulation of blood pressure, cell death, cell proliferation, negative regulation of cell proliferation, induction of apoptosis by intracellular signals, DNA damage response, signal transduction resulting in induction of apoptosis, response to wounding, response to endogenous stimulus, response to hormone stimulus, positive regulation of biosynthetic process, positive regulation of signal transduction, response to extracellular stimulus, response to organic substance,response to inorganic substance, positive regulation of macromolecule biosynthetic process, positive regulation of macromolecule metabolic process, regulation of protein kinase cascade, positive regulation of cell communication,positive regulation of protein kinase cascade, regulation of cell death, positive regulation of cell death, induction of programmed cell death, response to organic cyclic substance, smooth muscle adaptation, smooth muscle hyperplasia,death, regulation of exocytosis, regulation of cell migration, negative regulation of cell migration, positive regulation of cellular biosynthetic process, response to nutrient levels, cellular response to extracellular stimulus, cellular response to nutrient levels, cellular response to nutrient, regulation of chemokine production, regulation of mast cell cytokine production, negative regulation of mast cell cytokine production, regulation of mast cell activation, negative regulation of mast cell activation, tetrapyrrole metabolic process, tetrapyrrole catabolic process, cellular response to stress,erythrocyte homeostasis, lipoprotein particle clearance, low-density lipoprotein particle clearance, cellular response to oxidative stress, response to nicotine, regulation of locomotion, negative regulation of locomotion, regulation of cytokine biosynthetic process, wound healing, positive regulation of cytokine biosynthetic process, regulation of cell proliferation, heme catabolic process, heme metabolic process, regulation of vasodilation, pigment metabolic process,response to hydrogen peroxide, homeostatic process, DNA damage response, signal transduction, regulation of apoptosis, positive regulation of apoptosis, negative regulation of apoptosis, regulation of programmed cell death,positive regulation of programmed cell death, negative regulation of programmed cell death, regulation of I-kappaB kinase/NF-kappaB cascade, positive regulation of I-kappaB kinase/NF-kappaB cascade, response to alkaloid,regulation of leukocyte degranulation, negative regulation of leukocyte degranulation, regulation of mast cell degranulation, negative regulation of mast cell degranulation, negative regulation of DNA binding, negative regulation of transcription factor activity, muscle adaptation, regulation of transcription from RNA polymerase II promoter in response to stress, regulation of transcription from RNA polymerase II promoter in response to oxidative stress,regulation of transcription in response to stress, response to estrogen stimulus, regulation of system process,negative regulation of molecular function, nitrogen compound catabolic process, regulation of chemokine biosynthetic process, positive regulation of chemokine biosynthetic process, regulation of transcription, regulation of angiogenesis,regulation of anti-apoptosis, positive regulation of anti-apoptosis, positive regulation of vasodilation, negative regulation of exocytosis, pigment catabolic process, heterocycle catabolic process, secretion, blood vessel morphogenesis, response to steroid hormone stimulus, homeostasis of number of cells, chemical homeostasis, ion homeostasis, regulation of cell activation, negative regulation of cell activation, regulation of secretion, negative regulation of secretion, negative regulation of transport, regulation of transcription factor activity, regulation of binding, negative regulation of binding, regulation of DNA binding, cofactor metabolic process, cofactor catabolic process, positive regulation of multicellular organismal process, negative regulation of multicellular organismal process, regulation of RNA metabolic process, regulation of cell motion, negative regulation of cell motion, di-, tri-valent inorganic cation homeostasis, iron ion homeostasis, cation homeostasis, oxidation reduction, regulation of cellular localization, negative regulation of cell death, regulation of vesicle-mediated transport, response to oxygen levels,

Validation Data



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Please scan the QR code to access additional product information:
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