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Anti-HMOX1 / HO-1 Antibody (clone 5F12-B10)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17612

Product Information

Application	WB, IHC-P, FC
Primary Accession	P09601
Predicted	Human, Mouse, Rat, Bovine, Dog
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	5F12-B10
Calculated MW	32819
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	3162
Alias Symbol	HMOX1
Other Names	HMOX1, BK286B10, HO-1, HSP32, Heat shock protein, 32-kD, Heme oxygenase (decycling) 1, Heme oxygenase 1, HO1
Reconstitution & Storage	Protein G purified
Precautions	Anti-HMOX1 / HO-1 Antibody (clone 5F12-B10) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HMOX1
Synonyms	HO, HO1
Function	[Heme oxygenase 1]: Catalyzes the oxidative cleavage of heme at the alpha-methene bridge carbon, released as carbon monoxide (CO), to generate biliverdin IXalpha, while releasing the central heme iron chelate as ferrous iron (PubMed:11121422, PubMed:19556236, PubMed:7703255). Affords protection against programmed cell death and this cytoprotective effect relies on its ability to catabolize free heme and prevent it from sensitizing cells to undergo apoptosis (PubMed:20055707).
Cellular Location	Endoplasmic reticulum membrane; Single-pass type IV membrane protein; Cytoplasmic side
Tissue Location	Expressed at higher levels in renal cancer tissue than in normal tissue (at

protein level)

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