

Datasheet for ABIN7464525 **anti-HMOX1 antibody**



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Overview

Quantity:	100 µL
Target:	HMOX1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HMOX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Heme Oxygenase 1. The exact sequence is proprietary.
Clone:	GT17811
Isotype:	IgG2a
Cross-Reactivity:	Human
Purification:	Affinity purified by Protein A.

Target Details

Target:	HMOX1
Alternative Name:	heme oxygenase 1 (HMOX1 Products)
Background:	Heme oxygenase 1 , HMOX1D , HO-1 , HSP32 , bK286B10,Heme oxygenase, an essential

Target Details

enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family. [provided by RefSeq]

Molecular Weight: 33 kDa

Gene ID: 3162

UniProt: [P09601](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: HeLa(500 μ M CoCl₂ treatment for 24 hr)
Validation: Orthogonal

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS, No Preservative

Preservative: Without preservative

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.