Datasheet for ABIN952705

anti-HMOX1 antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	HMOX1
Binding Specificity:	AA 184-212, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 184-212 amino acids from the Central region of Human Heme oxygenase 1 / HMOX1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Heme oxygenase 1 / HMOX1 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	HMOX1
Alternative Name:	Heme Oxygenase 1 / HMOX1 (HMOX1 Products)
Background:	Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin,

Target Details

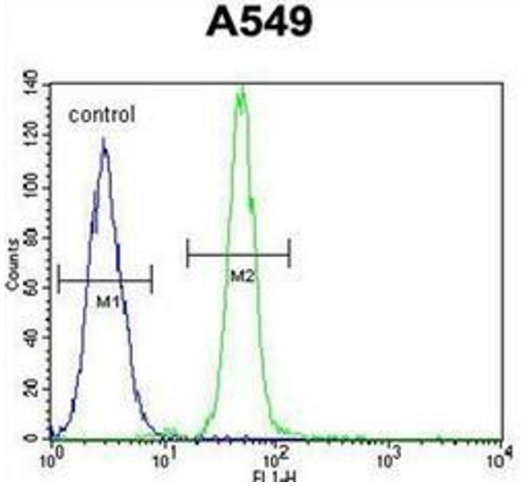
	which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family.Synonyms: HO, HO-1, HO1
Molecular Weight:	32819 Da
Gene ID:	3162
NCBI Accession:	NP_002124
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:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

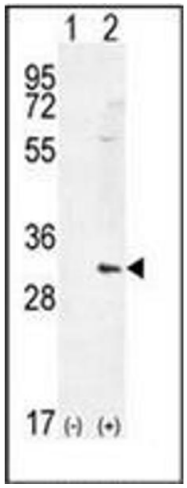
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of A549 cells using Heme oxygenase 1 / HMOX1 Antibody (Center) Cat.-No AP52064PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of HMOX1 (arrow) using Heme oxygenase 1 / HMOX1 Antibody (Center) Cat.-No AP52064PU-N. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HMOX1 gene.