

Datasheet for ABIN655187

anti-HMOX1 antibody (AA 177-204)[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	400 µL
Target:	HMOX1
Binding Specificity:	AA 177-204
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This HMOX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 177-204 amino acids from the Central region of human HMOX1.
Clone:	RB21577
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HMOX1
Alternative Name:	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.

Molecular Weight: 32819

Gene ID: 3162

NCBI Accession: [NP_002124](#)

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: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

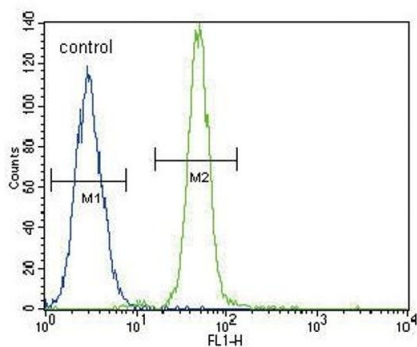
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

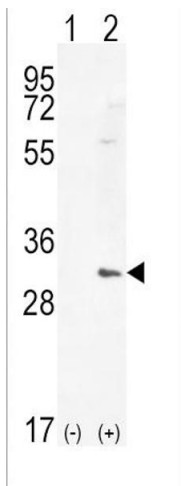
Product cited in: Li, Yu, Xi, Yu, Liu, Wang, Song, Feng, Yan, Zhang, Xiao, Ma: "Fasudil Enhances Therapeutic

Efficacy of Neural Stem Cells in the Mouse Model of MPTP-Induced Parkinson's Disease." in:
Molecular neurobiology, Vol. 54, Issue 7, pp. 5400-5413, (2018) ([PubMed](#)).



Flow Cytometry

Image 1. HMOX1 Antibody (Center) (ABIN655187 and ABIN2844803) flow cytometric analysis of A549 cells (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 rabbit polyclonal HMOX1 Antibody (Center) (ABIN655187 and ABIN2844803). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HMOX1 gene.