

Datasheet for ABIN215203
anti-HMOX1 antibody (AA 12-25)



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Overview

Quantity:	50 µg
Target:	HMOX1
Binding Specificity:	AA 12-25
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide with the amino acid sequence HDLSEALKEATKEVHC-NH₂ corresponding to amino acid residues 12-25 + Cys-NH₂ of human HO-1 protein. Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Bovine, Pig, Opossum, Platypus, Xenopus (93%), Turkey, Chicken, Lizard (87%). Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	Recognizes Heat Shock Protein 32 (Heme Oxygenase-1, HO-1). Species cross-reactivity: Rat spleen, liver and testis, Madin-Darby bovine (MDBK) kidney cells and mouse RAW 264.7 cells following stimulation with gamma interferon and lipopolysaccharide. Does not react with canine (MDCK) kidney cells.

Product Details

Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Bovine, Pig, Opossum, Platypus, Xenopus (93%) Turkey, Chicken, Lizard (87%).
Purification:	Purified

Target Details

Target:	HMOX1
Alternative Name:	HMOX1 / HO-1 (HMOX1 Products)
Background:	Name/Gene ID: HMOX1 Synonyms: HMOX1, BK286B10, HO-1, HSP32, Heat shock protein, 32-kD, Heme oxygenase (decycling) 1, Heme oxygenase 1, HO1
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:	Approved: IHC (1:50 - 1:100), WB (1:1000) Usage: Suitable for use in Western Blot and Immunohistochemistry. Immunohistochemistry: 1:50-1:100 on human airway biopsy, human spleen, human kidney and porcine arteries.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, pH 7.2, 0.01 M sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	avoid freeze thaw cycles. Store undiluted.
Storage:	4 °C,-20 °C
Storage Comment:	Short term 4°C, long term aliquot and store at -20°C, avoid freeze-thaw cycles. Store undiluted.