

Datasheet for ABIN305794
anti-HMOX1 antibody (AA 12-25)



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Overview

Quantity:	50 µg
Target:	HMOX1
Binding Specificity:	AA 12-25
Reactivity:	Human, Rat, Mouse, Pig, Dog, Cow, Monkey, Hamster, Bat, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Synthetic peptide with the amino acid sequence DLSEALKEATKEVHC corresponding to residues 12-25 of human heme oxygenase 1. Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bat, Bovine, Pig, Opossum, Platypus, Xenopus (100%), Turkey, Chicken, Lizard (93%). Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	Recognizes human heme oxygenase-1 (HO-1), a 288 amino acid enzyme with a crucial role in heme catabolism, cleaving the heme ring to form biliverdin which is further processed to form bilirubin by a reductase enzyme. HO-1 activity is highest in the spleen where it is involved in the processing of senescent erythrocytes. HO-1 expression can be increased during cellular stress,

Product Details

	including heat shock. Baseline levels of expression are high in certain tissues, including spleen and liver. Enriched enzyme preparations are recommended for experimental analysis.
No Cross-Reactivity:	Dog (Canine)
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 (100%) Turkey, Chicken, Lizard (93%).
Purification:	Purified IgG

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
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, IHC-Fr, WB (1:500 - 1:2000) Usage: Western Blot: Heme oxygenase 1 demonstrates a single band of approximately 32kD. Immunohistology: LS-C11351 reacts with human spleen, kidney and airway biopsies, as well as pig arteries.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Handling

Concentration:	Lot specific
Buffer:	PBS, 0.09 % 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:	-20 °C
Storage Comment:	Short term: -20°C Long term: -20°C.