

Datasheet: 4915-1050

BATCH NUMBER 170052

Description:	RABBIT ANTI HUMAN HEME OXYGENASE 1
Specificity:	HEME OXYGENASE 1
Other names:	HO-1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/50 - 1/1000
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting (1)	▪			1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

(1) This antibody detects a band of approximately 32kDa under reducing conditions.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Bovine, Mouse, Rat, Pig</p> <p>Does not react with: Dog</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09 % Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Synthetic peptide with the amino acid sequence HDLSEALKEATKEVHC corresponding to residues 12-25 (+C-NH ₂ of human heme oxygenase 1.
External Database Links	<p>UniProt: P09601 Related reagents</p> <p>Entrez Gene: 3162 HMOX1 Related reagents</p>
Synonyms	HO, HO1
RRID	AB_2295359
Specificity	Rabbit anti Human heme oxygenase 1 antibody 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 (Delaby et al. 2012). HO-1 expression can be increased during cellular stress, including heat shock (Ewing et al. 1992). Baseline levels of expression are high in certain tissues, including spleen and liver. Enriched enzyme preparations are recommended for experimental analysis.
Histology Positive Control Tissue	Human spleen Human kidney Porcine arteries
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	6 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/4915-1050
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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