Datasheet for ABIN398438

anti-HRP antibody

1 Image | 6 Publications

Go to Product page

Overview

Quantity:	200 µg
Target:	HRP
Reactivity:	Horseradish
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HRP antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Purified peroxidase from horseradish
Isotype:	IgG
Specificity:	Rabbit Anti-HRP Polyclonal Antibody is specific to peroxidase (horseradish).
Purification:	Protein G chromatography

Target Details

Target:	HRP
Alternative Name:	HRP (HRP Products)
Background:	Horseradish Peroxidase (HRP) is an enzyme commonly used as an indicator enzyme in reactions in which peroxide is produced, such as in conjunction with glucose oxidase in the evaluation of glucose in biological fluids. It also can be used as an enzyme label, such as in ELISA systems and peroxidase-anti-peroxidase complexes in immunohistochemistry. Rabbit

Target Details

	Anti-HRP Polyclonal Antibody is developed in rabbit hosts using purified peroxidase from horseradish as the immunogen.Rabbit Anti-HRP Polyclonal Antibody is purified from rabbit antiserum by Protein G chromatography and is supplied as a 200 µg aliquot at a concentration of 0.5 mg/ml.

Application Details

Application Notes:	Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product. ELISA: 0.05-0.2 µg/mL Other applications: user-optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.5 mg/mL
Buffer:	PBS, pH 7.4, containing 30 % glycerol, and 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Handling Advice:	Small volume of antibody will occasionally become entrapped in the cap of the vial during shipment and storage. Before use, centrifuge the vial briefly to bring down any liquid in the cap.
Storage:	4 °C/-20 °C
Storage Comment:	The antibody is stable for 2-3 weeks if stored at 2-8°C. For long term storage, aliquot and store

Handling

at -20°C or below. Avoid repeated freezing and thawing cycles.

Publications

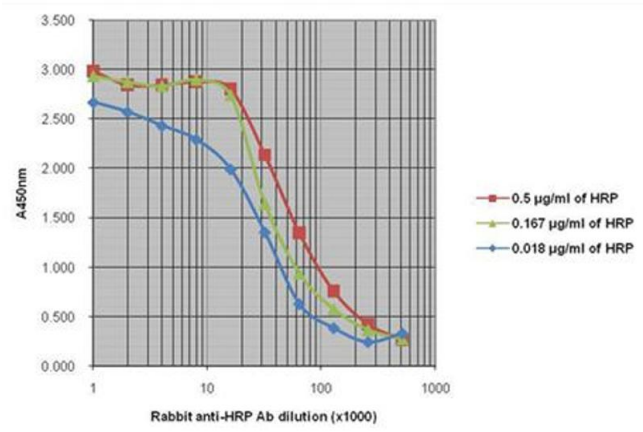
Product cited in:

Pan, Hsuchou, Cornelissen-Guillaume, Jayaram, Wang, Tu, Halberg, Wu, Chua, Kastin: " Endothelial leptin receptor mutation provides partial resistance to diet-induced obesity." in: **Journal of applied physiology (Bethesda, Md. : 1985)**, Vol. 112, Issue 8, pp. 1410-8, (2012) (PubMed).

Wang, Yang, Du, Guan, Xu, Xu, Su, Miao: "Involvement of Leptin Receptor (LepRb)-STAT3 Signaling Pathway in Brain FTO Downregulation during Energy Restriction." in: **Molecular medicine (Cambridge, Mass.)**, (2011) (PubMed).

There are more publications referencing this product on: Product page

Images



ELISA

Image 1. ELISA for Rabbit Anti-HRP Polyclonal AntibodyMicrowell plate was coated with Goat Anti-Rabbit IgG (H&L) Polyclonal Antibody (ABIN398358) followed by addition of Rabbit Anti-HRP Polyclonal Antibody dilution. The antibody titer was determined by addition of diluted HRP. After above reaction, TMB substrate was added for 15 minutes and then the color development was stopped by 1.0N HCl.The absorbance was read at 450nm with microwell plate reader.