Datasheet for ABIN1862968

anti-Lipocalin 2 antibody (AA 23-199)

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Overview

Quantity:	100 µL
Target:	Lipocalin 2 (LCN2)
Binding Specificity:	AA 23-199
Reactivity:	Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Lipocalin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Neutrophil gelatinase-associated lipocalin (NGAL)
Immunogen:	RPB388Po01Recombinant Neutrophil gelatinaseassociated lipocalin (NGAL)
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against NGAL. It has been selected for its ability to recognize NGAL in immunohistochemical staining and western blotting.
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	Lipocalin 2 (LCN2)

Target Details

Alternative Name:	NGAL (LCN2 Products)
Background:	Lipocalin-2, LCN2, p25, Lipocalin 2, Oncogene 24p3, 25 kDa alpha-2-microglobulin-related subunit of MMP-9, Siderocalin LCN2
Pathways:	Cellular Response to Molecule of Bacterial Origin, Transition Metal Ion Homeostasis

Application Details

Application Notes:	Western blotting: 0.01-2 µg/mL,Immunohistochemistry: 5-20 µg/mL,Immunocytochemistry: 5-20 µg/mL,Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

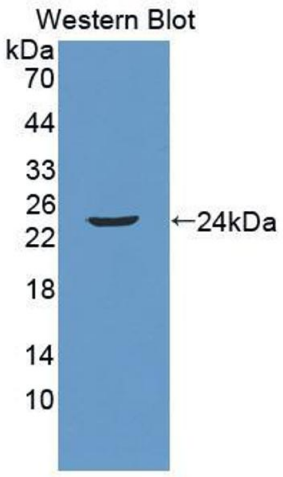
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or 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:	Avoid repeated freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

Davidson, Khailova, Treece, Robison, Soranno, Jaggers, Ing, Lawson, Lujan: "Alkaline Phosphatase Treatment of Acute Kidney Injury in an Infant Piglet Model of Cardiopulmonary Bypass with Deep Hypothermic Circulatory Arrest." in: **Scientific reports**, Vol. 9, Issue 1, pp. 14175, (2020) (PubMed).

Images



Western Blotting

Image 1. Figure. Western Blot; Sample: Recombinant protein.