

Datasheet for ABIN7161546

anti-Lipocalin 2 antibody (AA 1-198)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Lipocalin 2 (LCN2)
Binding Specificity:	AA 1-198
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Lipocalin 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human NGAL protein (1-198AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Lipocalin 2 (LCN2)
Alternative Name:	LCN2 (LCN2 Products)
Background:	Background: Iron-trafficking protein involved in multiple processes such as apoptosis, innate immunity and renal development. Binds iron through association with 2,5-dihydroxybenzoic

Target Details

acid (2,5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin, and delivers or removes iron from the cell, depending on the context. Iron-bound form (holo-24p3) is internalized following binding to the SLC22A17 (24p3R) receptor, leading to release of iron and subsequent increase of intracellular iron concentration. In contrast, association of the iron-free form (apo-24p3) with the SLC22A17 (24p3R) receptor is followed by association with an intracellular siderophore, iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration. Involved in apoptosis due to interleukin-3 (IL3) deprivation: iron-loaded form increases intracellular iron concentration without promoting apoptosis, while iron-free form decreases intracellular iron levels, inducing expression of the proapoptotic protein BCL2L11/BIM, resulting in apoptosis. Involved in innate immunity, possibly by sequestering iron, leading to limit bacterial growth.

Aliases: 24p3 antibody, 25 kDa alpha 2 microglobulin related subunit of MMP9 antibody, 25 kDa alpha-2-microglobulin-related subunit of MMP-9 antibody, Alpha 2 microglobulin related protein antibody, HGNC:6526 antibody, HNL antibody, Lcn 2 antibody, Lcn2 antibody, Lipocalin-2 antibody, Migration stimulating factor inhibitor antibody, MSFI antibody, Neutrophil gelatinase associated lipocalin antibody, Neutrophil gelatinase associated lipocalin precursor antibody, Neutrophil gelatinase-associated lipocalin antibody, NGAL antibody, NGAL_HUMAN antibody, Oncogene 24p3 antibody, Oncogenic lipocalin 24p3 antibody, p25 antibody, Siderocalin antibody, siderocalin LCN2 antibody, SV40 induced 24P3 protein antibody, Uterocalin antibody

UniProt: [P80188](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

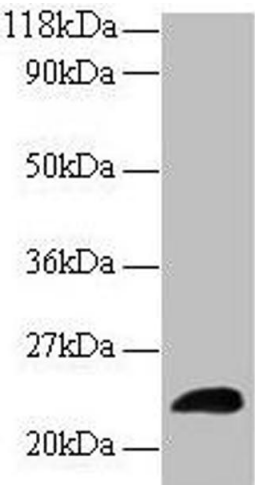
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot All lanes: LCN2 antibody at 2 µg/mL + Human positive serum Secondary Goat polyclonal to rabbit IgG at 1/15000 dilution Predicted band size: 23 kDa Observed band size: 23 kDa