-online.com antibodies

Datasheet for ABIN7320752 Lipocalin 2 Protein (LCN2) (His tag)

Image



Overview

Quantity:	50 µg
Target:	Lipocalin 2 (LCN2)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Lipocalin 2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse NGAL/Lipocalin-2 Protein (His Tag)
Sequence:	GIn21-Asn200
Characteristics:	Recombinant Mouse Neutrophil gelatinase-associated lipocalin is produced by our Mammalian expression system and the target gene encoding Gln21-Asn200 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Lipocalin 2 (LCN2)
Alternative Name:	NGAL/Lipocalin-2 (LCN2 Products)
Background:	Background: Lipocalin-2, also known as Neutrophil Gelatinase-Associated Lipocalin (NGAL), is a
	secretory protein of the lipocalin superfamily. Lipocalin-2 contains a signal peptide that enables

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7320752 | 09/09/2023 | Copyright antibodies-online. All rights reserved.

	it to be secreted and form complexes with matrix metalloproteinase-9 (MMP-9) through
	disulfide bonds. Similar to other lipocalin family members, Lipocalin-2 is involved in diverse
	cellular processes, including the transport of small hydrophobic molecules, protection of MMP-
	9 from proteolytic degradation, and cell signaling. Furthermore, Lipocalin-2 can tightly bind to
	bacterial siderophore through a cell surface receptor, possibly serving as a potent bacteriostatic
	agent by sequestering iron, regulating innate immunity and protecting kidney epithelial cells
	from ischemia-reperfusion injury. This protein is mainly expressed in neutrophils and in lower
	levels in the kidney, prostate, and epithelia of the respiratory and alimentary tracts. Recent
	evidence also suggests its role as a biomarker for renal injury and inflammation.
	Synonym: Neutrophil gelatinase-associated lipocalin, NGAL, Lipocalin-2, SV-40-induced 24P3
	protein, Siderocalin LCN2, p25, LCN2
Molecular Weight:	21.9 kDa
UniProt:	P11672
Pathways:	Cellular Response to Molecule of Bacterial Origin, Transition Metal Ion Homeostasis
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 μm filtered solution of 20 mM MES, 150 mM NaCl, 10 % Glycerol, pH 5.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Images



Western Blotting

Image 1.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN7320752 | 09/09/2023 | Copyright antibodies-online. All rights reserved.