Datasheet for ABIN7433591

anti-Lipocalin 2 antibody (AA 21-200)

6 Images | 1 Publication

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Overview

Quantity:	100 µL
Target:	Lipocalin 2 (LCN2)
Binding Specificity:	AA 21-200
Reactivity:	Mouse
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:	Recombinant Neutrophil gelatinase-associated lipocalin (NGAL) corresdonding to Gln21~Asn200 with N-terminal His Tag
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:	Neutrophil gelatinase-associated lipocalin (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

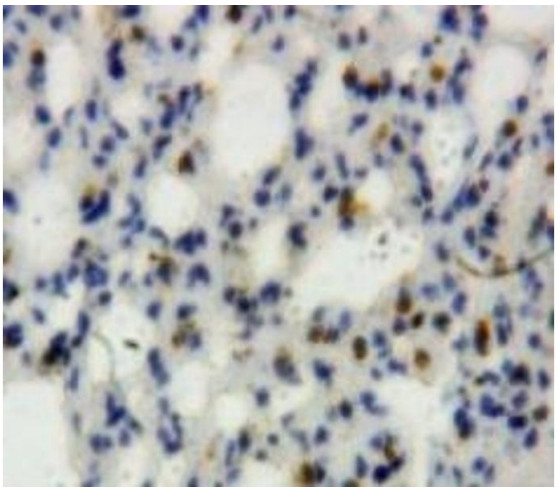
Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, 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
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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:	24 months

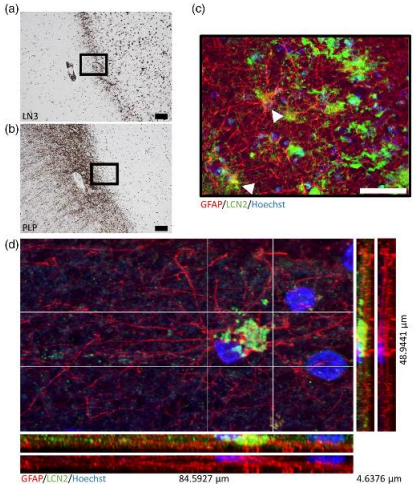
Publications

Product cited in:	Gasterich, Bohn, Sesterhenn, Nebelo, Fein, Kaddatz, Nyamoya, Kant, Kipp, Weiskirchen, Zendedel, Beyer, Clarner: "Lipocalin 2 attenuates oligodendrocyte loss and immune cell infiltration in mouse models for multiple sclerosis." in: **Glia**, (2022) (PubMed).



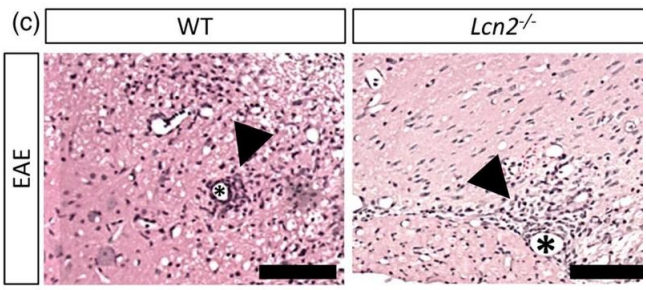
Immunohistochemistry

Image 1. #VALUE!



Immunofluorescence

Image 2. Lipocalin 2 (LCN2) expression in the active rim of multiple sclerosis (MS) lesions. (a–b) LN3 (a) and proteolipid protein (b) Staining of the same localization in the active rim of a MS lesion. (c) Astrocytes were found to be a source of LCN2 using GFAP (red) - LCN2 (green) double staining in the position marked with the black box. (d) Maximum projection and reconstruction of Z-level to detect intracellular accumulation of LCN2 (green) in the shown astrocyte (GFAP in red). Side views are shown with (inner picture) and without (outer picture) LCN2 staining to identify GFAP localization. X-, Y-, and Z-levels are given next to the picture. Scale bars 100 µm (a, b), 50 µm (c) Source: PMID35856297



Immunohistochemistry

Image 3. Histochemical staining of WT and Lcn2−/− SC slices (heamatoxylin/eosin). Exemplary lesions are shown (C). Source: PMID35856297

Please check the product details page for more images. Overall 6 images are available for ABIN7433591.