



Anti-Lipocalin-2 Antibody

Alternative Names: 24p3, MSFI, NGAL, p25, 25 kDa alpha-2-microglobulin-related subunit of MMP-9, Oncogene 24p3, Siderocalin, Lipocalin-2, LCN2

Catalogue Number: AB20-10132-100ug

Size: 100 µg

Background Information

Lipocalin-2 (LCN2) is a secreted glycoprotein involved in innate immunity that has roles in iron homeostasis, infection, and inflammation. It was originally identified as a major constituent of the neutrophil secondary granules, so it is also known as neutrophil gelatinase-associated lipocalin (NGAL).

It is highly expressed in the central nervous system in response to injury and inflammation and has also been identified as a potential marker for Alzheimer's disease. Increased levels of Lipocalin-2 have been seen in plasma from patients with mild cognitive impairment (MCI) and in CSF from patients with multiple sclerosis. Experimental models of Vascular dementia have shown that Lipocalin-2 mediates hippocampal damage and that decreased levels are associated with less white matter damage and cognitive decline.

Product Information

Antibody Type:	Polyclonal Antibody	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human
Immunogen:	A synthetic peptide from human LCN2		
Format:	100 µg in 100 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB IHC WB 1:1000-5000. IHC 1:50-200.		

Additional Information

Subcellular location:	Secreted, Cytosol	MW:	23kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	3934	Uniprot ID:	P80188



References

Franc Llorens, Peter Hermann, Anna Villar-Piqué et al - Cerebrospinal fluid lipocalin 2 as a novel biomarker for the differential diagnosis of vascular dementia. Nat Commun. 2020; 11: 619.