Datasheet for ABIN2192048

anti-Lipocalin 2 antibody

1 Publication

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Overview

Quantity:	100 µg
Target:	Lipocalin 2 (LCN2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunofluorescence (IF), Immunoassay (IA)

Product Details

Clone:	697
Sterility:	0.2 µm filtered

Target Details

Target:	Lipocalin 2 (LCN2)
Abstract:	LCN2 Products
Background:	The monoclonal antibody 697 reacts with human neutrophil lipocalin (HNL), also known as human nGAL (25 kDa). Lipocalins are a widespread family of small, robust proteins that typically transport or store biological compounds which are either of low solubility or are chemically sensitive, including vitamins, steroids, odorants and metabolic products. The members of this lipocalins share a high similarity in their tertiary structures in spite of a low degree in amino-acid sequence identity: three highly conserved sequence motifs form a funnel-like beta barrel which encloses a hydrophobic pocket for the internal ligand binding. The human neutrophil lipocalin (HNL) is produced by neutrophil leukocytes and stored in intracellular

Target Details

	specific granules. Neutrophil lipocalin is covalently linked to gelatinase B (MMP-9) and proMMP is stored in three forms: the monomeric form (92 kDa), the homodimer (220 kDa) and a heterodimer (125 kDa). During inflammation and neoplastic transformation the human neutrophil lipocalin (HNL) is produced in neutrophils and in epithelial cells. Furthermore neutrophil lipocalin is a superior means to distinguish acute bacterial and viral infections as well as it enables the determination of the neutrophil activation level.
Pathways:	Cellular Response to Molecule of Bacterial Origin, Transition Metal Ion Homeostasis

Application Details

Application Notes:	For immunofluorescence dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.
Restrictions:	For Research Use only

Handling

Buffer:	PBS, containing 0.02 % sodium azide and 0.1 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.
Expiry Date:	12 months

Publications

Product cited in:	Metso, Venge, Haahtela, Peterson, Sevéus: "Cell specific markers for eosinophils and neutrophils in sputum and bronchoalveolar lavage fluid of patients with respiratory conditions and healthy subjects." in: **Thorax**, Vol. 57, Issue 5, pp. 449-51, (2002) (PubMed).