

MAB388Ra24

Monoclonal Antibody to Neutrophil gelatinase-associated lipocalin (NGAL)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2bKappa

Purification: Protein A + Protein G affinity chromatography

Clone number: D14

Traits: Liquid

Concentration: 1mg/mL

UOM: 100μL

Cross Reactivity: Human

Applications: WB; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant NGAL (Gln21~Asn198) expressed in *E.coli*

Accession No.: RPB388Ra01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunofluorescence: 5-20μg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

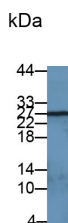
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

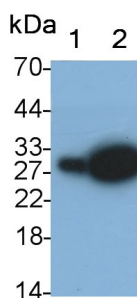
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

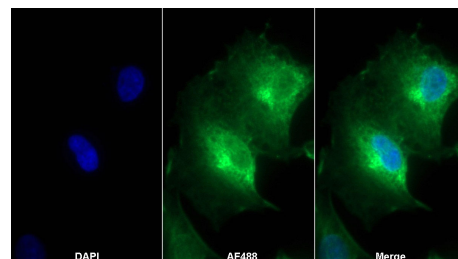
[IDENTIFICATION]



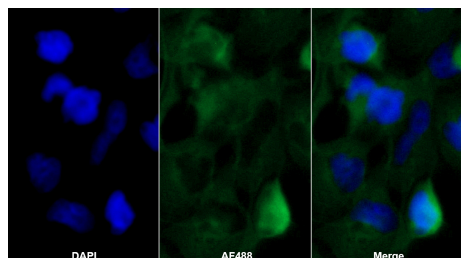
Western Blot; Sample: Rat Plasma
Primary Ab: 2µg/ml Mouse Anti-Rat
LCN2 Antibody Second Ab: 0.2µg/ml
HRP-Linked Caprine Anti-Mouse IgG
Polyclonal Antibody (Catalog:
SAA544Mu19)



Western Blot; Samples: Lane1: Rat
Spleen lysate; Lane2: Rat Lung lysate;
Primary Ab: 0.4µg/ml Mouse Anti-Rat
LCN2 Antibody
Second Ab: 0.2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



AF488 staining on IF;
Sample: A549 cell
Primary Ab: 20µg/ml Mouse Anti-Rat
LCN2 Antibody
Second Ab: 2µg/ml AF488-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu11)



AF488 staining on IF;
Sample: A431 cell
Primary Ab: 20µg/ml Mouse Anti-Rat
LCN2 Antibody
Second Ab: 2µg/ml AF488-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu11)

[IMPORTANT NOTE]



The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.