

NGAL Monoclonal Antibody (29)

Product Details	
Size	400 µL
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	29
Conjugate	Unconjugated
Immunogen	Recombinant mouse NGAL adsorbed onto aluminum hydroxide gel.
Form	Liquid
Concentration	0.92 mg/mL
Purification	Protein A/G
Storage buffer	PBS, pH 7.4
Contains	15mM sodium azide
Storage conditions	4° C, store in dark
RRID	AB_2136588

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:1,000	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-
ELISA (ELISA)	1:4,000	-

Product Specific Information

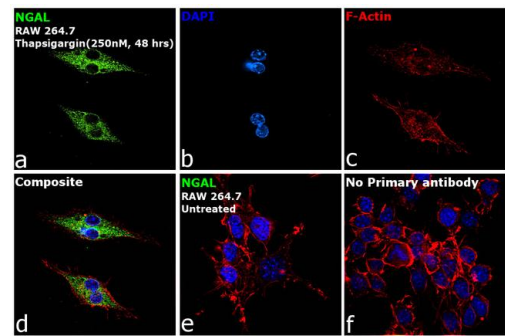
ABS 043-29-02 binds free NGAL in mouse serum.

This antibody will not cross react with human, pig, dog, or rat.

ABS 043-29-02 may be used in Western blot and ELISA applications.

NOTE: Concentration is lot-dependent and can vary from 0.85-1.15 mg/mL

Product Images For NGAL Monoclonal Antibody (29)

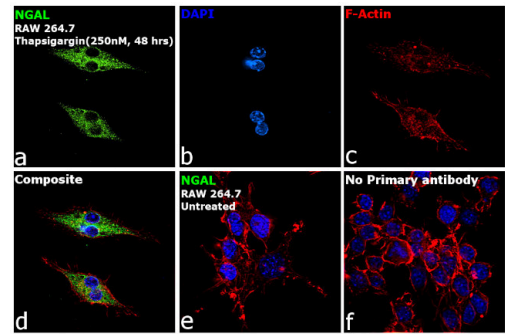


NGAL Antibody (ABS 043-29-02)

Detection of altered subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using NGAL Monoclonal Antibody (29) (Product # ABS 043-29-02), shows an increase in expression of NGAL in RAW 264.7 upon Thapsigargin treatment. {TM}

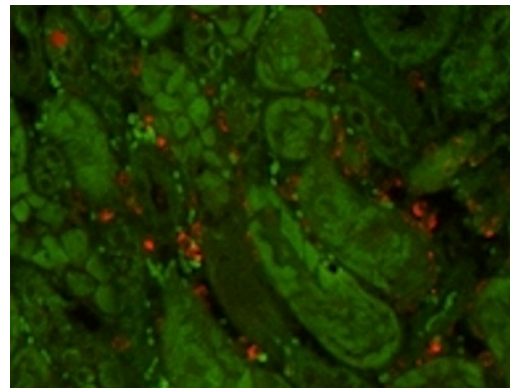
NGAL Antibody (ABS 043-29-02) in ICC/IF

Immunofluorescence analysis of NGAL was performed using 70% confluent log phase RAW 264.7 treated with Thapsigargin (250 nm, 48hours). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with NGAL Monoclonal Antibody (29) (Product # ABS 043-29-02) at 5 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing cytoplasmic localization. Panel e represents untreated cells showing no expression of NGAL. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



NGAL Antibody (ABS 043-29-02) in IHC (P)

NGAL expression 2 days after the introduction of ischemic-reperfusion injured mouse kidney;detected with anti-mouse NGAL antibody (Product # ABS 043-29; antibody dilution 1:1000). Image and data supplied by Prof. Gueler, Medizinische Hochschule Hannover.



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Western Blot (2)

<p>Stem cell research & therapy</p> <p>Pulsed focused ultrasound enhances the therapeutic effect of mesenchymal stromal cell-derived extracellular vesicles in acute kidney injury.</p> <p>"ABS 043-29-02 was used in Western Blot to show that pFUS may be a strategy for enhancing the therapeutic efficacy of MSC-derived EV treatment for the treatment of AKI."</p> <p>Authors: Ullah M,Liu DD,Rai S,Razavi M,Concepcion W,Thakor AS</p>	<p>Year 2020</p> <p>Species Mouse</p> <p>Dilution 1:200</p>
<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p>Zebrafish GSDMEb Cleavage-Gated Pyroptosis Drives Septic Acute Kidney Injury In Vivo.</p> <p>"ABS 043-29-02 was used in Western Blot to use a zebrafish crisprant in vivo analysis model to investigate LPS-induced septic shock."</p> <p>Authors: Wang Z,Gu Z,Hou Q,Chen W,Mu D,Zhang Y,Liu Q,Liu Z,Yang D</p>	<p>Year 2020</p> <p>Species Mouse</p>

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