Recombinant DGRmAb®

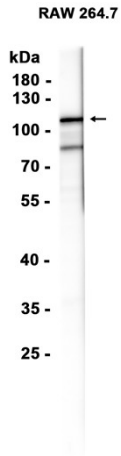
NLRP3 (DGR34211) Rabbit mAb

db12063 **Package : 10μL 20μL 50μL 100μL**

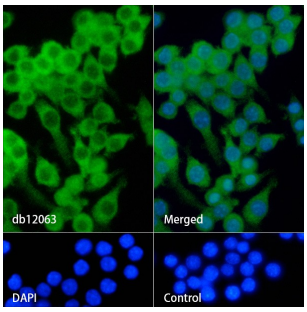
Product Name : NLRP3 (DGR34211) Rabbit mAb
Cat.No.: db12063
Synonyms : FCU; MWS; FCAS; Cias1; Mmig1; NALP3; Pypaf1; AII/AVP; AGTAVPRL
Application : WB, ICC/IF, IP
Reactivity : Mouse
Host species : Rabbit

Background	Enables DNA-binding transcription factor binding activity and sequence-specific DNA binding activity. Involved in several processes, including positive regulation of T-helper cell differentiation; positive regulation of cytokine production; and response to bacterium. Acts upstream of or within several processes, including NLRP3 inflammasome complex assembly; activation of cysteine-type endopeptidase activity involved in apoptotic process; and defense response to virus. Located in cytoplasm and nucleus. Part of NLRP3 inflammasome complex. Is expressed in central nervous system and retina. Used to study CINCA Syndrome; familial cold autoinflammatory syndrome 1; and non-alcoholic fatty liver disease. Human ortholog(s) of this gene implicated in CINCA Syndrome; Muckle-Wells syndrome; autosomal dominant nonsyndromic deafness 34; familial cold autoinflammatory syndrome 1; and urticaria. Orthologous to human NLRP3 (NLR family pyrin domain containing 3). [provided by Alliance of Genome Resources, Apr 2022]
Immunogen	Recombinant protein of mouse NLRP3
Gene ID	216799
Swiss Prot	Q8R4B8
Synonyms	FCU; MWS; FCAS; Cias1; Mmig1; NALP3; Pypaf1; AII/AVP; AGTAVPRL
Reactivity	Mouse
Application	WB, ICC/IF, IP
Recommended dilution	WB: 1:1000 ICC/IF: 1:50 IP: 1:20-1:50
Calculated MW	118 kDa
Observed MW	118 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR34211
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from RAW264.7 cells using db12063 at 1:1000.



Immunofluorescence analysis of RAW 264.7 cells labelling NLRP3 with db12063.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12063 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.