

# Product Datasheet

## Clusterin/APOJ Antibody NBP1-06027

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-06027**

## Clusterin/APOJ Antibody

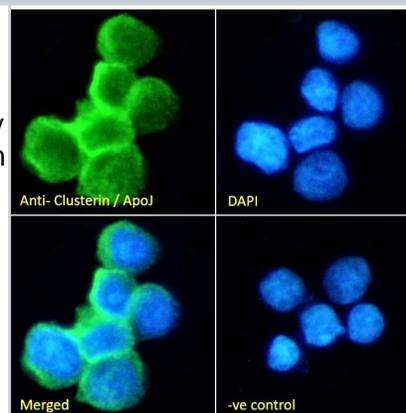
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Clusterin/APOJ Antibody (NBP1-06027) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-Clusterin/APOJ Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	1191
Gene Symbol	CLU
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28971894).
Immunogen	Peptide with sequence C-EKALQEYRRKSRAE corresponding to C-Terminus according to NP_038520.1.

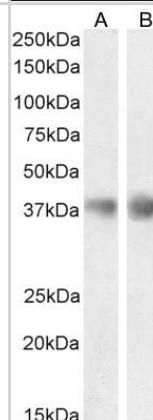
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.1-0.3 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Peptide ELISA Detection limit 1:64000
Application Notes	WB: Approx. 38kDa band observed in Mouse and Rat Brain lysates.(calculated MW of 51.7kDa according to Mouse NP_038520.2 and 51.4kDa according to Rat XP_006252156.1). This molecular weight is routinely observed by other sources and thought to correspond to the alpha chain of APOJ. Primary incubation 1 hour at room temperature.

## Images

Immunocytochemistry/Immunofluorescence: Clusterin/APOJ Antibody [NBP1-06027] - Immunofluorescence analysis of paraformaldehyde fixed PC12 suspension cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Western Blot: Clusterin/APOJ Antibody [NBP1-06027] - (0.1ug/ml) staining of Mouse (A) and (0.3ug/ml) Rat (B) Brain lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



## Publications

Gujarati NA, Frimpong BO, Zaidi M et al. Podocyte-specific KLF6 primes proximal tubule CaMK1D signaling to attenuate diabetic kidney disease Nature Communications 2024-09-13 [PMID: 39271683]

Saewu A, Kongmanas K, Raghupathy R et al. Primary Sertoli cell cultures from adult mice have different properties from those derived from 20-day-old animals Endocrinology 2019-11-15 [PMID: 31730175]

Saewu A, Kadunganattil S, Raghupathy R et al. Clusterin in the mouse epididymis: possible roles in sperm maturation and capacitation. Reproduction. 2017-10-02 [PMID: 28971894] (Mouse)

Charnay Y, Imhof A, Vallet PG et al. Clusterin expression during fetal and postnatal CNS development in mouse. Neuroscience 2008-06-17 [PMID: 18620027]

Miyata M, Biro S, Kaieda H et al. Apolipoprotein J/clusterin is induced in vascular smooth muscle cells after vascular injury. Circulation 2001-09-01 [PMID: 11560857]



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### **Products Related to NBP1-06027**

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-90128PEP	Clusterin/APOJ Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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