

# Product Datasheet

## ABCA1 Antibody (A00121.01) NB100-1663

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-1663**

ABCA1 Antibody (A00121.01)

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	A00121.01
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	254 kDa

Product Description	
Host	Mouse
Gene ID	19
Gene Symbol	ABCA1
Species	Human, Mouse, Chicken
Reactivity Notes	Cross-reacts with Human, Mouse and Chicken. Not yet tested in other species.
Specificity/Sensitivity	Recognize specifically ABCA1 from human, mouse, and chicken
Immunogen	Recombinant fragment, corresponding to amino acids 1800-2260 of Human ABCA1 (NM_173076).

Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Peptide ELISA
Recommended Dilutions	Western Blot 1:1000, Simple Western, Flow Cytometry 1:400, ELISA 1:1000, Immunohistochemistry, Immunoprecipitation 1:100, Immunohistochemistry-Paraffin 1:100, Peptide ELISA 1:1000
Application Notes	WB: Predicted molecular weight: 254 kDa.

**Publications**

1 Li, T, Chen, W Chiang, JYL. PXR induces CYP27A1 regulates cholesterol metabolism in the intestine. *J Lipid Res*, 48, 373-384. 2007-01-01 [PMID: 17088262]

Frank PG et al. Caveolin-1 and regulation of cellular cholesterol homeostasis. *Am. J. Physiol. Heart Circ. Physiol.* 291 (2): H677-686. [PMID: 16603689]

Sontag TJ, Carnemolla R, Vaisar T, Reardon CA, Getz GS. Naturally occurring variant of mouse apolipoprotein A-I alters the lipid and HDL association properties of the protein. *J Lipid Res*;53(5):951-63. 2012-05-01 [PMID: 22402133] (WB, Mouse)

Terwel D, Steffensen KR, Verghese PB et al. Critical Role of Astroglial Apolipoprotein E and Liver X Receptor- $\alpha$  Expression for Microglial A $\beta$  Phagocytosis. *J Neurosci*;31(19):7049-59. 2011-05-11 [PMID: 21562267]

Edgel KA, McMillen TS, Wei H et al. Obesity and weight loss result in increased adipose tissue ABCG1 expression in db/db mice. *Biochim Biophys Acta* 2012-03-01 [PMID: 22179025]





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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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