

Product Datasheet

ABCA12 Antibody NB100-93466

Unit Size: 0.1 mg

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

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NB100-93466**ABCA12 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	
Host	Goat
Gene ID	26154
Gene Symbol	ABCA12
Species	Human, Mouse, Canine
Reactivity Notes	Human and Mouse reactivity reported in scientific literature (PMID: 23931754).
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_775099.2; NP_056472.2).
Immunogen	Peptide with sequence C-KDQKSYETADTSSQ corresponding to internal region (near C-Terminus) according to NP_775099.2, NP_056472.2.

Product Application Details	
Applications	Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Peptide ELISA
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunoprecipitation 1:10 - 1:500, Immunoblotting, Peptide ELISA Detection limit 1:1000
Application Notes	WB: Preliminary experiments gave an approx. 35 kDa band in human placenta, skin and testis lysates after 1 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 193 kDa band according to NP_775099.2 and of 257 kDa band according to NP_056472.2. The 35 kDa band was successfully blocked by incubation with the immunizing peptide. IP and ICC/IF usage are reported in scientific literature (PMID: 23931754). Use in immunoblotting reported in scientific literature (PMID: 23931754).

Publications

Jihong Cui, John R. Christin, Julie A. Reisz, Francesca Isabelle Cendali, Rahul Sanawar, Marcelo Coutinho De Miranda, Angelo D'Alessandro, Wenjun Guo Targeting ABCA12-controlled ceramide homeostasis inhibits breast cancer stem cell function and chemoresistance Science Advances 2023-12-01 [PMID: 38039374]

Wang L, Eftekhari P, Schachner D et al. Novel interactomics approach identifies ABCA1 as direct target of evodiamine, which increases macrophage cholesterol efflux. Sci Rep. 2018-07-23 [PMID: 30038271] (Human)

Sakai K, Akiyama M, Sugiyama-Nakagiri Y et al. Localization of ABCA12 from Golgi apparatus to lamellar granules in human upper epidermal keratinocytes Exp Dermatol 2007-11-01 [PMID: 17927575]

Fu Y, Mukhamedova N, Ip S et al. ABCA12 Regulates ABCA1-Dependent Cholesterol Efflux from Macrophages and the Development of Atherosclerosis. Cell Metab. 2013-08-06 [PMID: 23931754] (ICC/IF, IP, Mouse, Human)





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Products Related to NB100-93466

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
1108-SE-010	Kallikrein 5 [Unconjugated]

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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