

Product Datasheet

ABCA2 Antibody NBP1-20863

Unit Size: 0.1 mg

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

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NBP1-20863

ABCA2 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

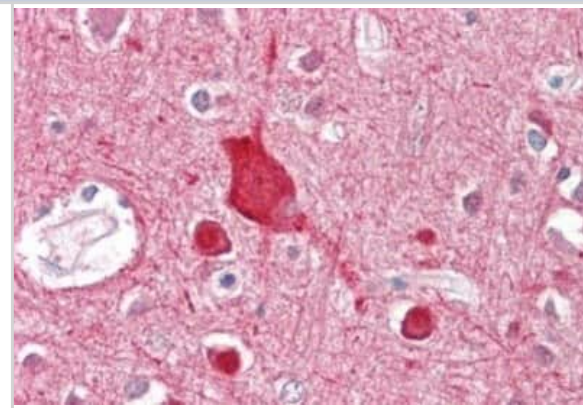
Product Description	
Description	Novus Biologicals Goat ABCA2 Antibody (NBP1-20863) is a polyclonal antibody validated for use in IHC, WB, ELISA and IP. Anti-ABCA2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	20
Gene Symbol	ABCA2
Species	Human
Reactivity Notes	Expected from sequence similarity: Mouse and Rat
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_001597.2; NP_997698.1).
Immunogen	Peptide with sequence C-KKQSDNLEQQETEP corresponding to internal region according to NP_997698.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 ug/ml, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin 3.75 ug/ml, Peptide ELISA Detection limit 1:2000
Application Notes	Western blot: Preliminary experiments gave an approx 35kDa band in Human Brain (Amygdala, Frontal Cortex, Hippocampus and Substantia Nigra) lysates after 0.3ug/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 270kDa according to NP_001597.2 and of 273kDa according to .NP_997698.1. The 35kDa band was successfully blocked by incubation with the immunizing peptide. IHC: Paraffin embedded Human Brain (Cortex). Use in immunoprecipitation reported in scientific literature (PMID:31334335).



Images

Immunohistochemistry-Paraffin: ABCA2 Antibody [NBP1-20863] - (3.75ug/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

A Po, A Citarella, G Catanzaro, ZM Besharat, S Trocchiane, F Gianni, C Sabato, M Moretti, E De Smaele, A Vacca, ME Fiori, E Ferretti Hedgehog-Gli signalling promotes chemoresistance through the regulation of ABC transporters in colorectal cancer cells *Sci Rep*, 2020-08-19;10(1):13988. 2020-08-19 [PMID: 32814794] (WB, Human)

Huang C, Zhang X, Jiang L et al. FoxM1 Induced Paclitaxel Resistance via Activation of the FoxM1/PHB1/RAF-MEK-ERK Pathway and Enhancement of the ABCA2 Transporter *Mol Ther Oncolytics* 2019-09-27 [PMID: 31334335] (WB, IP, Human)

Mace S, Cousin E, Ricard S et al. ABCA2 is a strong genetic risk factor for early-onset Alzheimer's disease *Neurobiol Dis* 2005-02-01 [PMID: 15649702]



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Products Related to NBP1-20863

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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

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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