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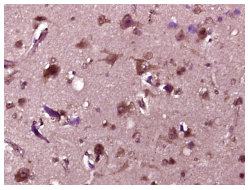
ABCA1 Rabbit pAb

Catalog Number:	bs-23418R
Target Protein:	ABCA1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human (predicted:Mouse, Rat, Pig, Cow, Horse)
Predicted MW:	254 kDa
Entrez Gene:	19
Swiss Prot:	O95477
Source:	KLH conjugated synthetic peptide derived from human ABCA1: 1551-1650/2261.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. With cholesterol as its substrate, this protein functions as a cholesteral efflux pump in the cellular lipid removal pathway. Mutations in both alleles of this gene cause Tangier disease and familial high-density lipoprotein (HDL) deficiency. [provided by RefSeq, Sep 2019]

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ABCA1) Polyclonal Antibody, Unconjugated (bs-23418R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=9.776] Hongyan Zhou. et al. Artemisinin and Procyanidins loaded multifunctional nanocomplexes alleviate atherosclerosis via simultaneously modulating lipid influx and cholesterol efflux. J Control Release. 2022 Jan;341:828 IHC ; Mouse . 34942304

[IF=10.041] Peidong You. et al. Targeting and promoting atherosclerosis regression using hybrid membrane coated nanomaterials via alleviated inflammation and enhanced autophagy. Appl Mater Today. 2022 Mar;26:101386 WB ; Mouse . 10.1016/j.apmt.2022.101386

[IF=9.8] Yanghuan Yu. et al. MiRNA-seq and mRNA-seq revealed the mechanism of fluoride-induced cauda epididymal injury. SCI TOTAL ENVIRON. 2024 Jun;930:172895 WB,IF ; Mouse . 38697545

[IF=9.273] Ruinan Wu. et al. Mimicking natural cholesterol assimilation to elevate the oral delivery of liraglutide for type II diabetes therapy. ASIAN J PHARM SCI. 2022 Sep;: IF ; Human . 10.1016/j.ajps.2022.08.002

[IF=9.417] Chao-ping He. et al. Construction of nicotinic acid curcumin nanoparticles and its Anti-atherosclerosis effect via PCSK9/LDL-R, ABCA1/Caveolin-1/LXR pathway. MATER DESIGN. 2023 May;229:111931 IHC ; Mouse . 10.1016/j.matdes.2023.111931