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anti-NHLRC1 antibody (AA 86-395)





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Quantity:	100 μL
Target:	NHLRC1
Binding Specificity:	AA 86-395
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NHLRC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human E3 ubiquitin-protein ligase NHLRC1 protein (86-395aa)	
Isotype:	IgG	
Cross-Reactivity:	Human	
Purification:	>95%, Protein G purified	

Target Details

Target:	NHLRC1	
Alternative Name:	NHLRC1 (NHLRC1 Products)	
Background:	Background: E3 ubiquitin-protein ligase. Together with the phosphatase EPM2A/laforin,	
	appears to be involved in the clearance of toxic polyglucosan and protein aggregates via	

Target Details

multiple pathways. In complex with EPM2A/laforin and HSP70, suppresses the cellular toxicity of misfolded proteins by promoting their degradation through the ubiquitin-proteasome system (UPS). Ubiquitinates the glycogen-targeting protein phosphatase subunits PPP1R3C/PTG and PPP1R3D in a laforin-dependent manner and targets them for proteasome-dependent degradation, thus decreasing glycogen accumulation. Polyubiquitinates EPM2A/laforin and ubiquitinates AGL and targets them for proteasome-dependent degradation. Also promotes proteasome-independent protein degradation through the macroautophagy pathway.

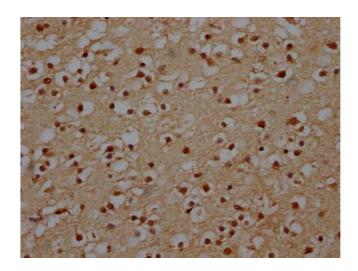
Aliases: E3 ubiquitin-protein ligase NHLRC1 (EC 2.3.2.27) (Malin) (NHL repeat-containing protein 1) (RING-type E3 ubiquitin transferase NHLRC1), NHLRC1, EPM2B

UniProt:

Q6VVB1

Application Details

Application Notes:	Recommended dilution: IHC:1:100-1:500,	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Preservative: 0.03 % Proclin 300	
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be	
	handled by trained staff only.	
Storage:	-20 °C,-80 °C	
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	



Immunohistochemistry

Image 1. IHC image of ABIN7151088 diluted at 1:140 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG labeled by HRP and visualized using 0.05 % DAB.