

For Research Use Only

KIAA0319L Polyclonal antibody

Catalog Number: 21016-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 21016-1-AP	GenBank Accession Number: BC031672	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 550 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79932	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	Full Name: KIAA0319-like	
Isotype: IgG	Calculated MW: 1049 aa, 116 kDa	
Immunogen Catalog Number: AG15263	Observed MW: 150 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, MCF-7 cells
Cited Applications: IF, WB	IHC : human brain tissue,
Species Specificity: human, mouse	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

KIAA0319L (also known as AAVR) is a type-I transmembrane protein that acts as a receptor for adeno-associated virus (AAV) and is involved in adeno-associated virus infection through endocytosis system (PMID: 26814968). It has been shown that KIAA0319L is highly-glycosylated and can localise to the plasma membrane, endosomes, Golgi and trans-Golgi network (TGN) (PMID: 29991750). KIAA0319L gene has been associated with susceptibility to developmental dyslexia or reading disabilities (PMID: 19085271). The predicted molecular mass of KIAA0319L is 116 kDa, but western blot detected protein at 150 kDa in lysate from HeLa cells, likely due to glycosidic linkages (PMID: 28679762; 30962536).

Notable Publications

Author	Pubmed ID	Journal	Application
Hiroyuki Nakamura	36329045	Sci Rep	WB
Luiz G Guidi	29991750	Sci Rep	WB
Petr O Ilyinskii	33627416	Sci Adv	WB

Storage

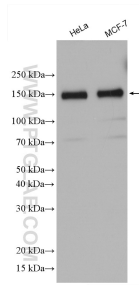
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

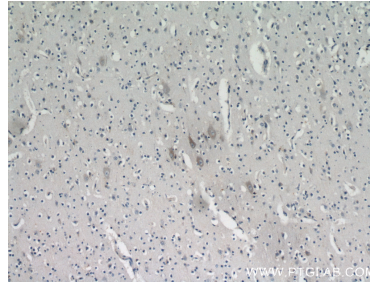
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

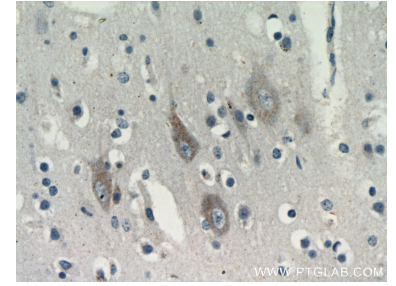
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21016-1-AP (KIAA0319L antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 21016-1-AP (KIAA0319L antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 21016-1-AP (KIAA0319L antibody) at dilution of 1:100 (under 40x lens).