

For Research Use Only

KIAA0319L Polyclonal antibody

Catalog Number: 21016-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

21016-1-AP

Size:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15263

GenBank Accession Number:

BC031672

GeneID (NCBI):

79932

UNIPROT ID:

Q8LZAO

Full Name:

KIAA0319-like

Calculated MW:

1049 aa, 116 kDa

Observed MW:

~150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB : HeLa cells, HuH-7 cells, MCF-7 cells, NIH/3T3 cells, Neuro-2a cells, C6 cells

IHC : rat brain tissue, human brain tissue, mouse brain tissue

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

For technical support and original validation data for this product please contact:

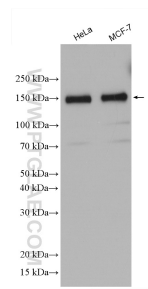
T: 4006900926

E: Proteintech-CN@ptglab.com

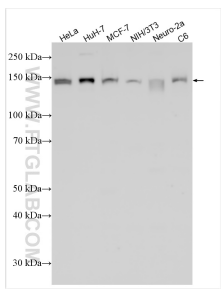
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

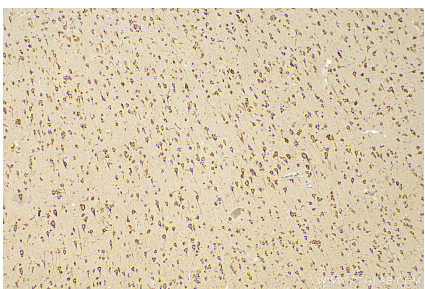
Selected Validation Data



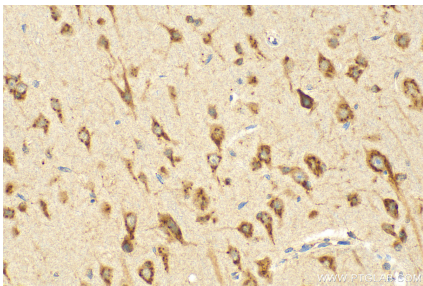
Various lysates were subjected to SDS PAGE followed by western blot with 21016-1-AP (KIAA0319L antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 21016-1-AP (KIAA0319L antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 21016-1-AP (KIAA0319L antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 21016-1-AP (KIAA0319L antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).