

# KIAA0319L Polyclonal antibody

Catalog Number: 21016-1-AP

Featured Product

5 Publications

## Basic Information

<b>Catalog Number:</b> 21016-1-AP	<b>GenBank Accession Number:</b> BC031672	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 79932	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8I2AO	
<b>Isotype:</b> IgG	<b>Full Name:</b> KIAA0319-like	
<b>Immunogen Catalog Number:</b> AG15263	<b>Calculated MW:</b> 1049 aa, 116 kDa	
	<b>Observed MW:</b> 150 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, MCF-7 cells IHC : human brain tissue,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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:

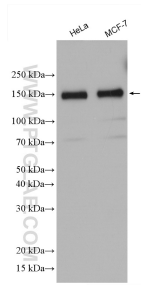
T: 4006900926

E: Proteintech-CN@ptglab.com

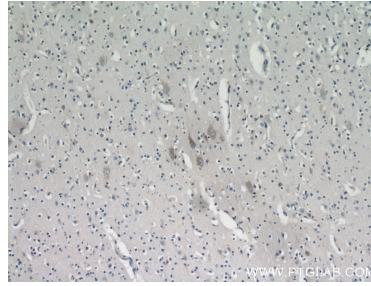
W: ptgcn.com

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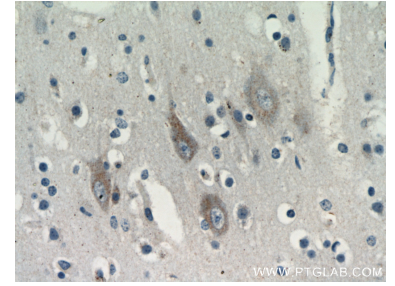
## Selected Validation Data



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).