

## ASRGL1 Polyclonal antibody

Catalog Number: 11400-1-AP **15 Publications**

## Basic Information

<b>Catalog Number:</b> 11400-1-AP	<b>GenBank Accession Number:</b> BC021295	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 750 µg/ml	<b>GeneID (NCBI):</b> 80150	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7L266	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> asparaginase like 1	IHC 1:20-1:200
<b>Immunogen Catalog Number:</b> AG1955	<b>Calculated MW:</b> 308 aa, 32 kDa	IF 1:50-1:500
	<b>Observed MW:</b> 32-40 kDa, 20-25 kDa, 15-19 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IF, IHC	<b>WB:</b> HeLa cells,
<b>Species Specificity:</b> human, mouse, rat	<b>IP:</b> HeLa cells,
<b>Cited Species:</b> cat, human, rat, mouse	<b>IHC:</b> human gliomas tissue,
	<b>IF:</b> HeLa cells,
<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

Asparaginase-like protein 1 (ASRGL1) is also named as ALP, CRASH and belongs to the Ntn-hydrolase family. ASRGL1 has both L-asparaginase and beta-aspartyl peptidase activity. It may be involved in the production of L-aspartate, which can act as an excitatory neurotransmitter in some brain regions. ASRGL1 has 2 isoforms produced by alternative splicing with the MW of 32 kDa and 19 kDa. Two lower molecular weight bands (23 and 15 kDa) can be detected corresponding to the processed  $\alpha$  and  $\beta$  subunits (PMID: 27106100).

## Notable Publications

Author	Pubmed ID	Journal	Application
Pengfei Xu	36435763	BMC Musculoskelet Disord	WB
Yongkui Wang	33171191	Toxicol Appl Pharmacol	WB,IHC
Daniela R Chavez	34012967	Front Cell Dev Biol	IHC

## 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

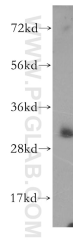
For technical support and original validation data for this product please contact:

T: 4006900926

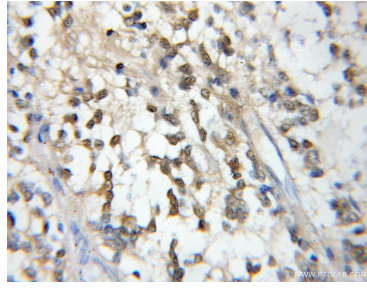
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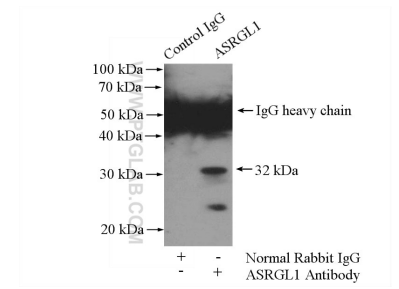
## Selected Validation Data



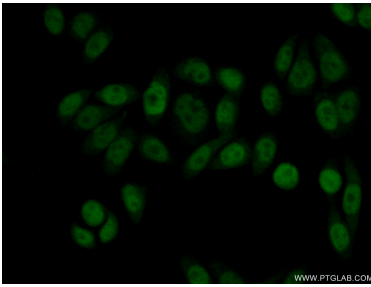
HeLa cells were subjected to SDS PAGE followed by western blot with 11400-1-AP (ASRGL1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11400-1-AP (ASRGL1 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-ASRGL1 (IP:11400-1-AP, 4ug; Detection:11400-1-AP 1:500) with HeLa cells lysate 3200ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 11400-1-AP (ASRGL1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).