

For Research Use Only

ASRGL1 Polyclonal antibody

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



Basic Information

| | | |
|---|--|---|
| Catalog Number: 11400-1-AP | GenBank Accession Number: BC021295 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 750 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 80150 | Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q7L266 | |
| Isotype: IgG | Full Name: asparaginase like 1 | |
| Immunogen Catalog Number: AG1955 | Calculated MW: 308 aa, 32 kDa | |
| | Observed MW: 32-40 kDa, 20-25 kDa, 15-19 kDa | |

Applications

| | |
|--|--|
| Tested Applications: WB, IP, IF, IHC, ELISA | Positive Controls: WB : HeLa cells, IP : HeLa cells, IHC : human gliomas tissue, IF : HeLa cells, |
| Cited Applications: WB, IF, IHC | |
| Species Specificity: human, mouse, rat | |
| Cited Species: cat, human, rat, 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

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 α and β 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

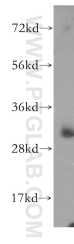
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

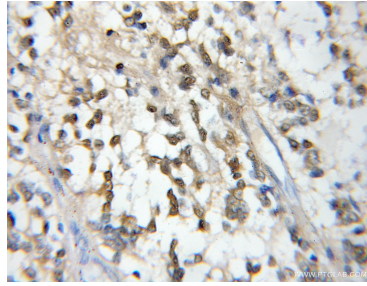
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

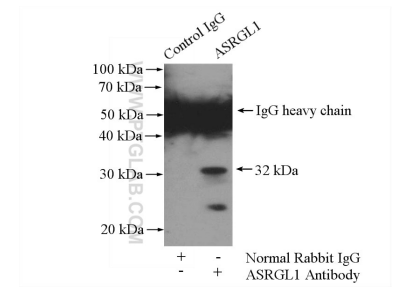
Selected Validation Data



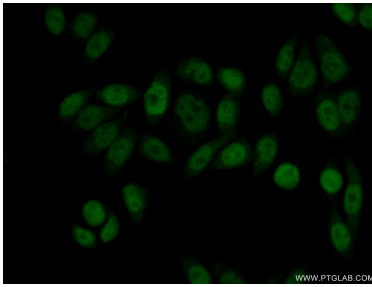
HeLa cells were subjected to SDS PAGE followed by western blot with 11400-1-AP (ASRGL1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).