

For Research Use Only

# BHLHE22 Polyclonal antibody

Catalog Number: 25622-1-AP

2 Publications



## Basic Information

### Catalog Number:

25622-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG20966

### GenBank Accession Number:

BC156671

### GeneID (NCBI):

27319

### UNIPROT ID:

Q8NFJ8

### Full Name:

basic helix-loop-helix family, member e22

### Calculated MW:

381 aa, 37 kDa

### Observed MW:

37 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

goat, mouse

### Positive Controls:

WB : SH-SY5Y cells,

IHC : human brain tissue,

IF/ICC : SH-SY5Y cells,

**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

Basic helix-loop-helix family member e22 (BHLHE22), a basic helix loop helix transcription factor family member, acts as a transcriptional repressor and has a role in cell differentiation in neuron development (PMID: 36941015). BHLHE22 expression serves as a potential biomarker for ICI treatment prediction and favorable prognosis, and that is associated with microenvironment immune status (PMID: 35806162).

## Notable Publications

Author	Pubmed ID	Journal	Application
Na Zhou	35675826	Cell Metab	WB
Xiaopeng An	28704526	PLoS One	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

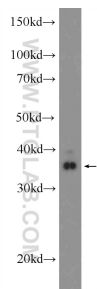
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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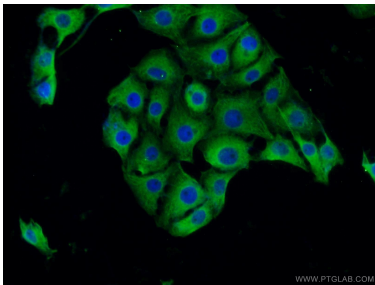
Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 25622-1-AP (BHLHE22 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 25622-1-AP (BHLHE22 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of SH-SY5Y cells using 25622-1-AP (BHLHE22 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).