

For Research Use Only

# BHLHE22 Polyclonal antibody

Catalog Number: 25622-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 25622-1-AP	<b>GenBank Accession Number:</b> BC156671	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 600 µg/ml	<b>GeneID (NCBI):</b> 27319	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:50-1:500 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NFJ8	
<b>Isotype:</b> IgG	<b>Full Name:</b> basic helix-loop-helix family, member e22	
<b>Immunogen Catalog Number:</b> AG20966	<b>Calculated MW:</b> 381 aa, 37 kDa	
	<b>Observed MW:</b> 37 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : SH-SY5Y cells, IHC : human brain tissue, IF : SH-SY5Y cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> goat, 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

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

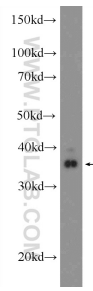
## Storage

**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

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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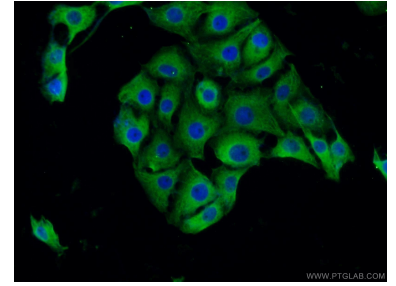
## Selected Validation Data



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 AffiniPure Goat Anti-Rabbit IgG(H+L).