

**Goat anti-BHLHE22 (aa128-141) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4452a

### Specification

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#### Goat anti-BHLHE22 (aa128-141) Antibody - Product Information

Application	<b>WB, Pep-ELISA</b>
Primary Accession	<a href="#">O8NFJ8</a>
Other Accession	<a href="#">NP_689627.1</a>
Reactivity	<b>Human, Pig</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>36997</b>

#### Goat anti-BHLHE22 (aa128-141) Antibody - Additional Information

**Gene ID** 27319

#### Other Names

BHLHE22; basic helix-loop-helix family, member e22; BHLHB5; Beta3; CAGL85; TNRC20; basic helix-loop-helix domain containing, class B, 5; class B basic helix-loop-helix protein 5; class E basic helix-loop-helix protein 22; trinucleotide repeat containing 2

#### Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat anti-BHLHE22 (aa128-141) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat anti-BHLHE22 (aa128-141) Antibody - Protein Information

**Name** BHLHE22

**Synonyms** BHLHB5, TNRC20

#### Function

Inhibits DNA binding of TCF3/E47 homodimers and TCF3 (E47)/NEUROD1 heterodimers and acts as a strong repressor of Neurod1 and Myod-responsive genes, probably by heterodimerization with class a basic helix-loop-helix factors. Despite the presence of an intact basic domain, does not bind to DNA (By similarity). In the brain, may function as an area-specific transcription factor that regulates the postmitotic acquisition of area identities and elucidate the genetic hierarchy

between progenitors and postmitotic neurons driving neocortical arealization. May be required for the survival of a specific population of inhibitory neurons in the superficial laminae of the spinal cord dorsal horn that may regulate pruritis. Seems to play a crucial role in the retinogenesis, in the specification of amacrine and bipolar subtypes. Forms with PRDM8 a transcriptional repressor complex controlling genes involved in neural development and neuronal differentiation.

**Cellular Location**

Nucleus.

**Tissue Location**

Brain-specific, with the highest expression in the cerebellum.

**Goat anti-BHLHE22 (aa128-141) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-BHLHE22 (aa128-141) Antibody - Images**