10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat anti-BHLHE22 (aa128-141) Antibody

Peptide-affinity purified goat antibody
Catalog # AF4452a

Specification

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

Application	**WB, Pep-ELISA**
Primary Accession	Q8NFJ8
Other Accession	NP_689627.1
Reactivity	**Human, Pig**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**36997**

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 Cytomety
- Cell Culture

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