
ATOH8 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254049

Unit: 0.1 mg

Description:

Basic helix-loop-helix (bHLH) transcription factors play important roles in differentiation processes during embryonic development of vertebrates. ATOH8 (MATH6) is a tissue-restricted member of the atonal superfamily of bHLH transcription factors that exhibits 43?57% identity in the bHLH domain with other mammalian atonal paralogs including the NeuroD and Neurogenin factors. In the mouse, ATOH8 has been implicated in the specification and differentiation of neuronal cell lineages in the brain and may also participate in kidney development. Recent studies show that ATOH8 is a novel component of the pancreatic transcriptional network during embryonic development and suggest a potential role as a modulator of the differentiation program initiated by the pro-endocrine factor Neurog3. It is indispensable for early embryonic development, suggesting a more widespread function for this factor in tissue-specific differentiation processes that are dependent on class II bHLH genes.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: ATOH8; Helix-loop-helix protein hATH-6; HATH6; Protein atonal homolog 8; MATH6

Accession No.: NP_116216

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human ATOH8.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.