

## Anti-Hex/HHEX Antibody Picoband® Biotin Conjugated

Catalog Number: PB9631-Biotin

### About HHEX

Hematopoietically-expressed homeobox protein HHEX is a protein that in humans is encoded by the HHEX gene. Homeobox genes are members of a family of transcription factors that regulate tissue development in many different organisms. Hromas et al. (1993) set out to identify homeobox genes that might play a role in hematopoiesis. And using somatic cell hybrid analysis, they mapped the HHEX gene to chromosome 10, where the HOX11 gene is located. Homeobox genes are involved in neoplastic transformation of both epithelial and hemopoietic tissues. The divergent homeobox gene HEX is expressed in the anterior visceral endoderm during early mouse development and in some adult tissues of endodermal origin, including liver and thyroid. D'Elia et al.'s findings suggested that regulation of HEX entry in the nucleus of thyrocytes may represent a critical step during human thyroid tumorigenesis.

### Overview

Product Name	Anti-Hex/HHEX Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q03014

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Hex, different from the related mouse sequence by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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