

Anti-HINT1 Antibody Picoband® Biotin Conjugated

Catalog Number: PB9632-Biotin

About HINT1

Histidine triad nucleotide-binding protein 1 is a protein that in humans is encoded by the HINT1 gene. It is a haploinsufficient tumor suppressor gene that inhibits the Wnt/beta-catenin pathway in colon cancer cells and Microphthalmia-associated transcription factor (MITF) activity in human mast cells. The protein encoded by this gene can hydrolyze substrates such as AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester, and AMP-NH₂. The encoded protein interacts with these substrates via a histidine triad motif, which is part of the loop that binds to the substrate. Several transcript variants, but only one of them protein-coding, have been found for this gene.

Overview

Product Name	Anti-HINT1 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P49773

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human HINT1, different from the related mouse and rat sequences by three amino acids.
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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