

Product datasheet

Anti-Biotin antibody [BTN/2032R] ab234284

Recombinant

[1 References](#) [2 Images](#)

Overview

Product name	Anti-Biotin antibody [BTN/2032R]
Description	Rabbit monoclonal [BTN/2032R] to Biotin
Host species	Rabbit
Specificity	ab234284 recognizes both the free and protein-conjugated (either soluble or cell bound) form of biotin. The antibody is highly specific to biotin and shows no cross-reaction with other structurally related compounds.
Tested applications	Suitable for: IHC-P
Immunogen	Chemical/ Small Molecule corresponding to Biotin. (Biotinylated sheep immunoglobulin).
Positive control	IHC-P: Human tonsil tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	BTN/2032R
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab234284 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

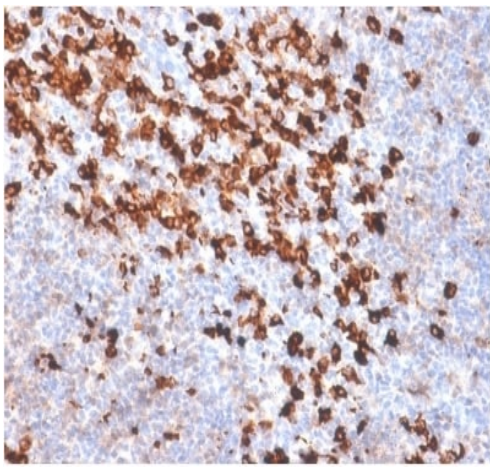
Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 µg/ml. (Primary incubation for 10 minutes at room temperature).

Target

Relevance

Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da.

Images



Formalin-fixed, paraffin-embedded human tonsil tissue stained with biotinylated Kappa Light Chain probe and then for Biotin using ab234284 at 1 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Biotin antibody [BTN/2032R] (ab234284)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Biotin antibody [BTN/2032R] (ab234284)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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