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Product datasheet for AP09429PU-N

Biotin (F(ab')2 fragment) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	**ELISA:** 1/1,000 - 1/5,000. This product has been assayed against 1.0 µg of Biotinylated BSA in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] secondary antibody and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. **Western Blot.**
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Biotin conjugated to Keyhole Limpet Hemocyanin (KLH)
Specificity:	F(ab)2 fragment of Anti-Biotin.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquid F(ab)2 fragment
Concentration:	lot specific
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Biotin coupled to sepharose beads followed by pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Biotinylated IgG and Biotinylated Bovine Serum Albumin. No reaction was observed against anti-Pepsin or anti-Goat IgG F(c).
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

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Background: 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.

Synonyms: Vitamin B7, Vitamin H