

Product datasheet for **AP09429AP-N**

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

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western Blot. Dot Blot. ELISA: 1/500 - 1/2,000. Immunohistochemistry.
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Biotin conjugated to Keyhole Limpet Hemocyanin (KLH)
Specificity:	This is a Alkaline Phosphatase Conjugated F(ab) ₂ fragment of Anti-Biotin.
Formulation:	0.05M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0 containing 10 mg/ml Bovine Serum Albumin (BSA) and 0.01% (w/v) Sodium Azide Label: AP State: Liquid F(ab) ₂ fragment Label: Alkaline Phosphatase (Calf Intestine) (Molecular Weight 140,000 daltons)
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	AP
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
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