

Anti-PBP/PEBP1 Antibody Picoband® Biotin Conjugated

Catalog Number: PA1713-Biotin

About Pebp1

PEBP1 (Phosphatidylethanolamine-binding protein 1), also called PBP, RKIP, inhibits the phosphorylation and activation of MEK by RAF1. PEBP1 is identical to the phosphatidylethanolamine-binding protein (PBP) with a relative molecular mass of 23 kD. The PEBP1 gene is mapped on 12q24.23. PEBP1 coimmunoprecipitates with RAF1 and MEK from cell lysates and colocalizes with RAF1 when examined by confocal microscopy. PEBP1 overexpression interferes with the activation of MEK and ERK, induction of AP1-dependent reporter genes, and transformation elicited by an oncogenically activated RAF1 kinase. PEBP1 expression was rapidly upregulated during induction of chemotherapy-triggered apoptosis in human prostate and breast cancer cell lines, and maximal RKIP expression correlated perfectly with the onset of apoptosis by Chatterjee et al (2004). RKIP depletion decreased the mitotic index, the number of metaphase cells, traversal times from nuclear envelope breakdown to anaphase, and an override of mitotic checkpoints induced by spindle poisons.

Overview

Product Name	Anti-PBP/PEBP1 Antibody Picoband® Biotin Conjugated
Reactive Species	Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P70296

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse PBP, identical to the related rat sequence.
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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