

Anti-E2F4 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB10057-Fluoro594

About E2F4

Transcription factor E2F4 is a protein that in humans is encoded by the E2F4 gene. The protein encoded by this gene is a member of the E2F family of transcription factors. This gene is mapped to 16q22.1. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. These domains include a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. This protein binds to all three of the tumor suppressor proteins pRB, p107 and p130, but with higher affinity to the last two. Additionally, it plays an important role in the suppression of proliferation-associated genes, and its gene mutation and increased expression may be associated with human cancer.

Overview

Product Name	Anti-E2F4 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IHC, WB). Customers may select suitable applications according to their experimental needs.
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. Protect from light.
Host	Rabbit
Uniprot ID	Q16254

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human E2F4, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594

	Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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