Qty: 100 µg/200 µL
Mouse anti-E2F-1
Catalog No. 32-1400
Lot No.

Mouse anti-E2F-1

FORM
This monoclonal antibody is highly purified from mouse ascites by protein A chromatography. The antibody is supplied as a 200 µL aliquot at a concentration of 0.5 mg/mL in PBS, pH 7.4, containing 0.1% sodium azide.

CLONE: KH95

ISOTYPE: IgG_{2a}

IMMUNOGEN
Recombinant human E2F-1 protein.

SPECIFICITY
Reacts specifically with human E2F-1 protein. It does not cross-react with other related E2F proteins.

REACTIVITY
Reactivity with this antibody has been confirmed for human cell lysates.

Sample	Immunohisto-chemistry (FFPE)	Immuno-precipitation	Western Blotting
Human	+	+	+
Mouse	ND	ND	+
Rat	ND	ND	+
Immunogen	ND	ND	+

USAGE
Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Immunohistochemistry: 0.1-1.0 µg/mL
Immunoprecipitation: 2-5 µg/IP
Western Blotting: 1-2 µg/mL

Reactivity of this antibody in applications other than those named here has not been established.

STORAGE
Store at 2-8°C for up to one month. Store at –20°C for long term storage. Avoid repeated freezing and thawing.

BACKGROUND
E2F-1 is a transcription factor (437 amino acids, 46 kD) that contains a cyclin A binding domain, a DNA binding domain, a dimerization domain, and a transactivation domain. E2F-1 is expressed in a wide variety of cell lines and tissues and is expressed broadly, but not uniformly, during mouse embryogenesis. E2F-1 binds almost exclusively to pRB and phosphorylation of E2F-1 may disrupt pRB/E2F complexes. Overexpression of E2F-1 or dE2F in normal cells causes high levels of apoptosis while $p19^{arf}$-deficient cells are partially resistant to E2F-1-induced apoptosis. p53-independent apoptosis requires the E2F-1 DNA-binding domain but not an intact transactivation domain.

(cont'd)

RELATED PRODUCTS

Product	*Conjugate*	*Cat. No.*
Goat anti-Mouse IgG (H+L)	Purified	81-6500
(ZyMAX™ Grade)	FITC	81-6511
	TRITC	81-6514
	Cy™3	81-6515
	Cy™5	81-6516
	HRP	81-6520
	AP	81-6522
	Biotin	81-6540
Protein A	Sepharose® 4B	10-1041
rec-Protein G	Sepharose® 4B	10-1241

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