



Qty: 100 µg/200 µl
Mouse anti-p45^{SKP2}
Catalog No. 32-3300
Lot No.

Mouse anti-p45^{SKP2}

FORM

This monoclonal 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. The antibody is highly purified from mouse ascites by protein A chromatography.

CLONE: SKP2-8D9

ISOTYPE: Mouse IgG₁-kappa

IMMUNOGEN

Recombinant, full-length human p45^{SKP2} protein.

SPECIFICITY

This antibody is specific for p45^{SKP2}. Cross reactivity with related endogenous proteins has not been observed.

REACTIVITY

Reactivity of this antibody was confirmed by Western blotting and by immunoprecipitation using human recombinant p45^{SKP2} protein and lysates derived from HeLa, Jurkat, and 293T cell lines. This antibody is only reactive with human SKP2.

Sample	ELISA	Immuno-precipitation (native)	Western Blotting
Human		+++	+++
Immunogen	+++		

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.

ELISA: 0.1-1.0 µg/ml
Immunoprecipitation: 5 µg/IP reaction
Western Blotting: 1-2 µg/ml

STORAGE

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

(cont'd)

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PI323300

(Rev 10/08) DCC-08-1089

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BACKGROUND

The F-box protein p45^{SKP2} is the substrate-targeting subunit of the protein ligase SCFSKP2 and is frequently overexpressed in transformed cells. Expression of p45^{SKP2} in quiescent fibroblasts promotes p27Kip1 degradation, allows the generation of cyclin-A-dependent kinase activity, and allows entry into the S phase of the cell cycle.

REFERENCES

1. Sutterluty H., et al. *Nat Cell Biol.* 1(4):207-214 (1999).
2. Zhang H., et al. *Cell.* 82(6):915-925 (1995).

RELATED PRODUCTS

<u>Product</u>	<u>Clone/PAD</u>	<u>Catalog No.</u>
Mouse anti-p45 ^{SKP2}	SKP2-2B12	32-3400
Mouse anti-GMP-1	21C7	33-2400
Mouse anti-UBC3	2E3B5	32-2000
Rabbit anti-UBC3	HC34	71-9900
Mouse anti-Ubiquitin	Ubi-1	13-1600
Rabbit anti-UNP	CSM-11	71-8900
Rabbit anti-CUL-1	ZL18	71-8700
<i>PolyFast</i> TM Rabbit anti-Fbw1b + Peptide	MB12	52-3107
<i>PolyFast</i> Rabbit anti-Fbx6 + Peptide	MO3	52-3407
<i>PolyFast</i> Rabbit anti-Fbx4 + Peptide	MC9	52-3207
<i>PolyFast</i> Rabbit anti-Fbx5	MD4	52-3307
Rabbit anti-Fbx7	M87	51-8000
Rabbit anti-Fbl3a	VL4	51-6500

PAD: polyclonal antibody designation

<u>Immunoassay reagents</u>	<u>Conjugate</u>	<u>Catalog No</u>
Goat anti-Mouse IgG (H+L) (ZyMAX TM Grade)	Purified	81-6500
	FITC	81-6511
	TRITC	81-6514
	Cy TM 3	81-6515
	Cy TM 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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