



Qty: 100 µg/200 µl

## Mouse anti-CKS2

For Research Use Only

Catalog No. 37-0300

Lot No.

## Mouse anti-CKS2

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

**CLONE:** 1F7G5

**ISOTYPE:** Mouse IgG<sub>1</sub>

### IMMUNOGEN

A synthetic peptide derived from the C-terminal region of human CKS2.

### SPECIFICITY

This antibody recognizes CKS2 specifically and does not cross-react with CKS1.

### REACTIVITY

Reactivity has been confirmed in CKS2 transfected cells and HeLa cells.

Sample	ELISA	Immuno-precipitation	Western Blotting
Human	ND	+++	+++
Immunogen	+++	NA	NA

(Excellent +++, Good++, Poor +, No reactivity 0, Not applicable N/A, Not Determined 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.

**ELISA:** 0.1-1.0 µg/ml

**Immunoprecipitation:** 1-3 µg/ml

**Western Blotting:** 1-3 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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**BACKGROUND**

The Cks proteins are components of the cyclin-dependent kinase(CDK)/cyclin complexes that regulate mitosis. Thus, Cks proteins play important roles during the cell cycle<sup>1</sup>. Cks2 belongs to the highly conserved Suc1/Cks family of proteins that can bind to certain CDKs and are required for cell-cycle progression. Cks proteins may regulate the catalytic activity of the cdk2/cyclin A complex, as they have been shown to inhibit the activation of cdk2. The CKS2 gene has been localized to 9q22, which places it close to a putative tumor suppressor locus<sup>2</sup>.

**REFERENCES**

1. Pines J. *Curr Biol* 6(11):1399-1402, 1996.
2. Demetrick DJ, et al. *Cytogenet Cell Genet* 73(3): 250-254, 1996.

**RELATED PRODUCTS**

<b>Product</b>	<b>Clone or PAD*</b>	<b>Cat. No.</b>
Mouse anti-cyclin A	E23	33-4900
Mouse anti-p27	p27-11D11	32-2800
Rabbit anti-p27	FP1	71-9600
Rabbit anti-phospho-p27	PT-187	71-7700
Mouse anti-p21	EA10	33-7000
Mouse anti-Cyclin D1	AM29	33-3500
Mouse anti-Cyclin E	HE172	32-1500
Mouse anti-SKP2 (p45)	SKP2-8D9	32-3300
Mouse anti-SKP2 (p45)	SKP2-2B12	32-3400
Rabbit anti-SKP2 (p45)	GP45	51-1900
Mouse anti-PCNA	PC10	13-3900
Protein A	Sepharose <sup>®</sup> 4B	10-1041
rec-Protein G	Sepharose <sup>®</sup> 4B	10-1241

\*PAD: Polyclonal Antibody Designation

<b>Conjugate</b>	<b>ZyMAX<sup>™</sup> Goat x Rabbit IgG (H+L)</b>	<b>ZyMAX<sup>™</sup> Goat x Mouse IgG (H+L)</b>
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy <sup>™</sup> 3	81-6115	81-6515
Cy <sup>™</sup> 5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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