



## p27 Polyclonal Antibody

<b>Catalog No</b>	E90290	<b>Lot Number</b>	P00009
<b>Applications</b>	WB	<b>Quantity</b>	100ul, 100ug/100ul
<b>Cross-Reactivity</b>	H M R	<b>Calculated MW</b>	27kDa

### Immunogen Information

<b>Immunogen</b>	Fusion protein of human p27
<b>Gene ID</b>	1027
<b>Swiss Prot</b>	P46527
<b>Synonyms</b>	CDKN1B;CDKN4;KIP1;MEN1B;MEN4;P27KIP1

### Product information

<b>Species</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purification
<b>Storage</b>	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

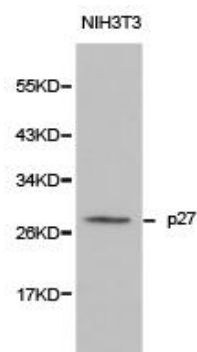
p27 Kip1 is a member of the Cip/Kip family of cyclin-dependent kinase inhibitors. Like its relatives, p57 Kip2 and p21 Waf1/Cip1, the ability to enforce the G1 restriction point is derived from its inhibitory binding to CDK2/cyclin E and other CDK/cyclin complexes. Expression levels of p27 are upregulated in quiescent cells and in cells treated with cAMP or other negative cell cycle regulators. Downregulation of p27 can be induced by treatment with interleukin 2 or other mitogens; this involves phosphorylation of p27 and its degradation by the ubiquitin-proteasome pathway (1-4).

### References

1. Lloyd, R.V. et al. (1999) Am. J. Pathol. 154, 313-323.
2. Polyak, K. et al. (1994) Genes Dev. 8, 9-22.
3. Kato, J.Y. et al. (1994) Cell 79, 487-496.
4. Vlach, J. et al. (1997) EMBO J. 16, 5334-5344.

### Recommended Dilutions

WB 1:200 - 1:500



Western blot analysis of extracts of NIH3T3 cells, using p27 antibody.