

Rabbit anti-CDK4, clone EP180 (Monoclonal)

Clone no. EP180

MONOSAN

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Product name	Rabbit anti-CDK4, clone EP180 (Monoclonal)
Host	Rabbit
Applications	IHC-P (1:100-1:200)
Species reactivity	human
Conjugate	-
Immunogen	a synthetic peptide corresponding to residues of human CDK4 protein
Isotype	IgG
Clonality	Monoclonal
Clone number	EP180
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% Sodium Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

Cyclin-dependent kinase 4 (CDK4) is a member of the Ser/Thrprotein kinase family. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D- type cyclins and CDK inhibitor p16 (INK4a). Overexpression of CDK4 has been observed in many tumor types, including oral squamous cell carcinoma and cancers of the pancreatic (endocrine tumors), lung, breast and colon. The expression of CDK4 is associated with tumor progression.

**References**

1. Harbour JW, et al.: Cell 1999, 98:859-869
2. Wikman H, et al.: Genes Chromosomes Cancer 2005, 42:193-199
3. Poomsawat S, et al.: J Oral Pathol Med 2010, 39:793-799
4. Lindberg D, et al.: Neuroendocrinology 2007, 86:112-118
5. Wu A, et al.: J Transl Med 2011, 9:38

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