

36-1985: Monoclonal Antibody to Cdk1 / p34cdc2(Clone : POH-1; same as cdc2.1)

Clonality :	Monoclonal
Clone Name :	POH-1; same as cdc2.1
Application :	WB,IHC
Reactivity :	Human
Gene :	CDK1
Gene ID :	983
Uniprot ID :	P06493
Format :	Purified
Alternative Name :	CDK1,CDC2,CDC28A,CDKN1,P34CDC2
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	Purified recombinant human p34cdc2 fusion protein

Description

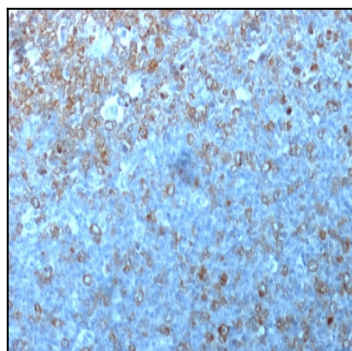
Recognizes a 34kDa protein, which is identified as cyclin dependent kinase 1 (cdk1) or p34cdc2 protein kinase. cdk1 / p34cdc2 plays a crucial role during cell division and is most active during mitosis. It is predominantly localized in the nucleus. It is a serine/threonine kinase, which is activated by cyclin, presumably by de-phosphorylation of tyrosine residues. Activated cdk1 / p34cdc2 performs specific functions during mitosis, including nuclear envelope breakdown and chromosome condensation.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western Blot (1-2ug/ml);Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Tonsil stained with Cdk1 Monoclonal Antibody (POH-1).