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36-3668: Anti-Cdk1 / p34cdc2 Monoclonal Antibody(Clone: CDK1/873)

Clonality :	Monoclonal
Clone Name :	CDK1/873
Application :	IHC
Reactivity :	Human
Gene :	CDC2
Gene ID :	983
Uniprot ID :	P06493
Alternative Name :	Cdc2, CDC28A, CDK1, CDKN1, CELL CYCLE CONTROLLER CDC2, Cell division control protein 2 homolog, Cell division cycle 2 G1 to S and G2 to M, Cell division protein kinase 1, Cyclin-dependent kinase 1, p34 Protein Kinase, P34CDC2
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	Recombinant human full-length CDK1 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 :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

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&degC followed by cooling at RT for 20 minutes);

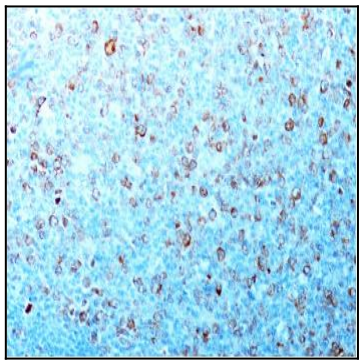

Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Cdk1 Mouse Monoclonal Antibody (CDK1/873).

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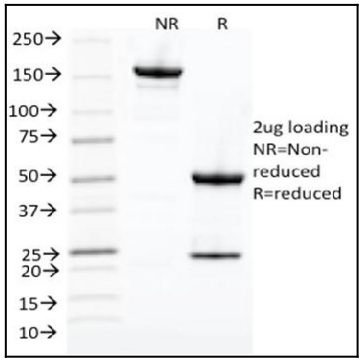

Fig. 2: SDS-PAGE Analysis Purified Cdk1 Mouse Monoclonal Antibody (CDK1/873). Confirmation of Integrity and Purity of Antibody.

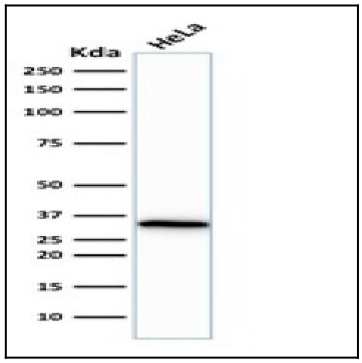

Fig. 3: Western Blot Analysis of human HeLa cell lysate using Cdk1 Mouse Monoclonal Antibody (CDK1/873).

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