

Product datasheet

Anti-CDK1 + Cdk2 + Cdk3 (phospho T14) antibody [E161] (HRP) ab193834

Recombinant RabMAb

1 Image

Overview

Product name	Anti-CDK1 + Cdk2 + Cdk3 (phospho T14) antibody [E161] (HRP)
Description	Rabbit monoclonal [E161] to CDK1 + Cdk2 + Cdk3 (phospho T14) (HRP)
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Synthetic peptide within Human CDK1 (internal sequence). The exact sequence is proprietary.
Positive control	IHC-P: Human Hodgkin's Lymphoma tissue.
General notes	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin Constituents: PBS, 30% Glycerol, 1% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	E161
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab193834** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50.

Target

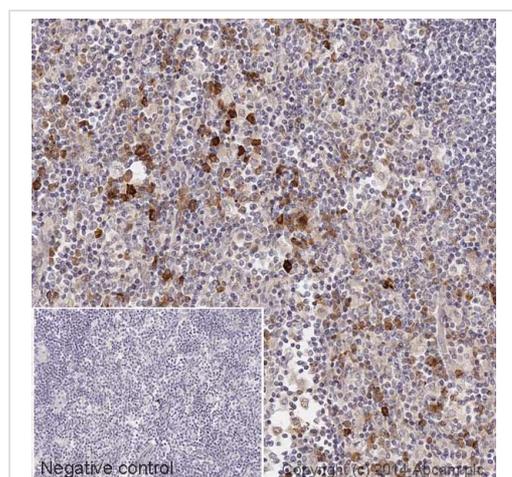
Cellular localization

CDK1: Nucleus.

Form

CDK1: CDK1 can be located to the Nucleus, cytoplasm and Mithochondria. It's cytoplasmic during interphase and reversibly translocated from cytoplasm to the nucleus when phosphorylated before G2-M transition when associated with cyclin-B1. Accumulates in mitochondria in G2-arrested cells upon DNA-damage.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDK1 + Cdk2 + Cdk3 (phospho T14) antibody [E161] (HRP) (ab193834)

IHC image of CDK1 staining in a section of formalin-fixed paraffin-embedded human Hodgkin's Lymphoma*. The section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH6) for 30mins, and incubated overnight at +4°C with ab193834 at 1µg/ml. DAB was used as the chromogen ([ab103723](#)), diluted 1/100 and incubated for 10min at room temperature. The section was counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre.

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