

Datasheet for ABIN3043982
anti-PLK2 antibody (C-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	PLK2
Binding Specificity:	AA 666-685, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase PLK2(PLK2) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human PLK2(666-685aa SSELKNRMEYALNMLLQRCN), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Sequence:	SSELKNRMEY ALNMLLQRCN
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence

Product Details

similarities.

Characteristics: Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase PLK2(PLK2) detection.
Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Gene Name: polo-like kinase 2
Protein Name: Serine/threonine-protein kinase PLK2

Purification: Immunogen affinity purified.

Target Details

Target: PLK2

Alternative Name: PLK2 ([PLK2 Products](#))

Background: Polo-like kinase2, also known as SNK is an enzyme that in humans is encoded by the PLK2 gene. PLK2 is a member of the "polo" family of serine/threonine protein kinases that have a role in normal cell division. The International Radiation Hybrid Mapping Consortium mapped the SNK gene to chromosome 5. SNK involved in synaptic plasticity, centriole duplication and G1/S phase transition. This gene plays a key role in synaptic plasticity and memory by regulating the Ras and Rap protein signalin: required for overactivity-dependent spine remodeling by phosphorylating the Ras activator RASGRF1 and the Rap inhibitor SIPA1L1 leading to their degradation by the proteasome.

Synonyms: hPlk2 antibody|hSNK antibody|PLK-2 antibody|Plk2 antibody|PLK2_HUMAN antibody|Polo like kinase 2 antibody|Polo-like kinase 2 antibody|Serine/threonine protein kinase PLK2 antibody|Serine/threonine protein kinase SNK antibody|Serine/threonine-protein kinase PLK2 antibody|Serine/threonine-protein kinase SNK antibody|Serum Induced Kinase antibody|Serum-inducible kinase antibody|SNK antibody

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse,
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

Application Details

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

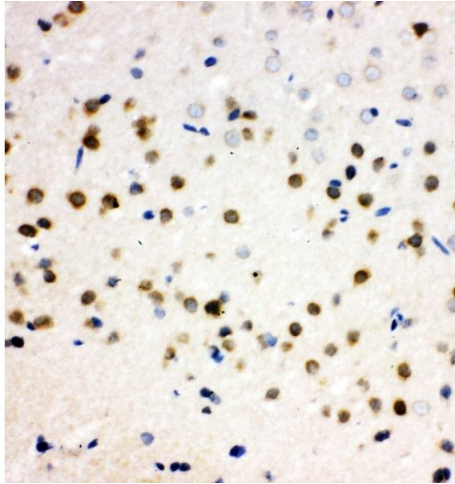
Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

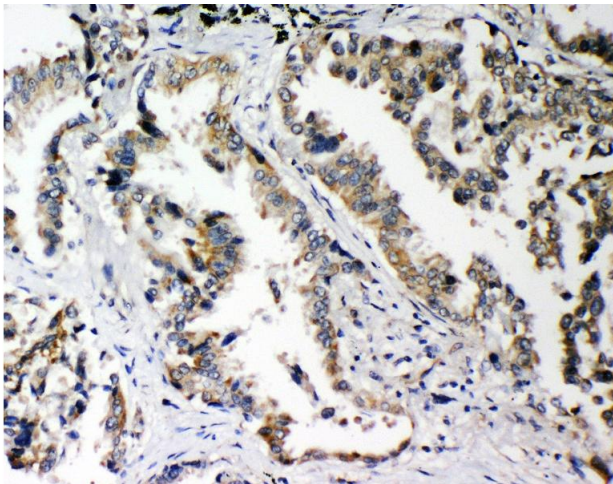
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months



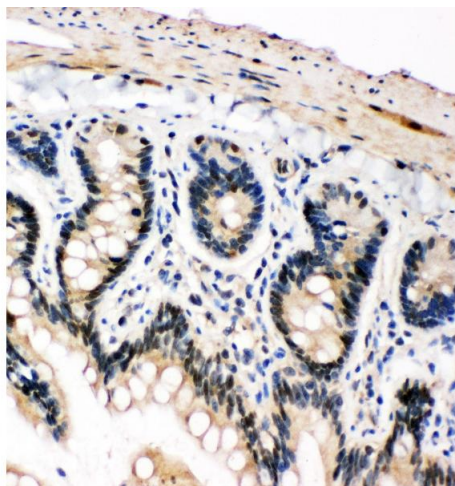
Immunohistochemistry

Image 1. Anti-PLK2 antibody, IHC(P) IHC(P): Rat Brain Tissue



Immunohistochemistry

Image 2. Anti-PLK2 antibody, IHC(P) IHC(P): Human Lung Cancer Tissue



Immunohistochemistry

Image 3. Anti-PLK2 antibody, IHC(P) IHC(P): Rat Intestine Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043982.