

Datasheet for ABIN1112714
anti-PRKDC antibody (Catalytic Subunit)



[Go to Product page](#)

3 Images

Overview

| | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity: | 100 µg |
| Target: | PRKDC |
| Binding Specificity: | Catalytic Subunit |
| Reactivity: | Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This PRKDC antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC) |

Product Details

| | |
|------------|-------------------------------|
| Immunogen: | Recombinant DNA-PKcs protein. |
| Clone: | N9 |
| Isotype: | IgG2a |

Target Details

| | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | PRKDC |
| Abstract: | PRKDC Products |
| Background: | DNA-dependent protein kinase, catalytic subunit, also known as DNA-PKcs, is an enzyme that belongs to the phosphatidylinositol 3-kinase-related kinase protein family. Anderson and Lees-Miller (1992) noted that DNA-PK had been shown in vitro to phosphorylate several transcription |

Target Details

factors, suggesting that it functions in cell homeostasis by modulating transcription. It acts as a molecular sensor for DNA damage, and it may also act as a scaffold protein to aid the localization of DNA repair proteins to the site of damage.

Pathways: [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: WB (1:1000), IHC-P (1:200), ICC (1:100). Other applications have not been tested. The optimal dilutions should be determined by end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: TBS (pH7.4), 0.5% BSA, 40% Glycerol and 0.05% Sodium Azide.

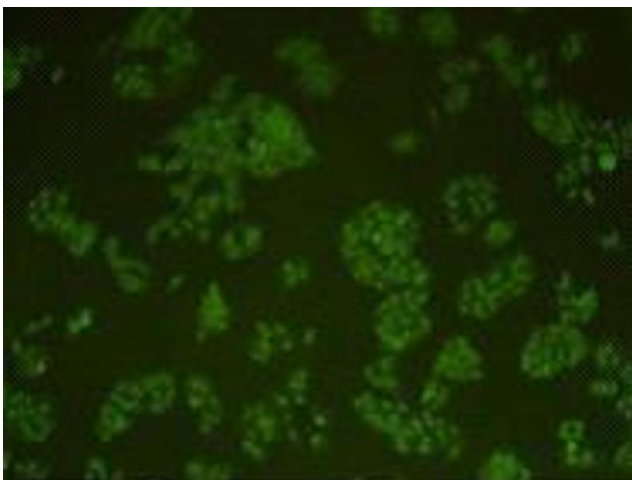
Preservative: Sodium azide, Thimerosal (Merthiolate)

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C after thawing (1 week). Aliquot and store at -20 °C for long term (at least one year). Avoid repeated freeze and thaw cycles.

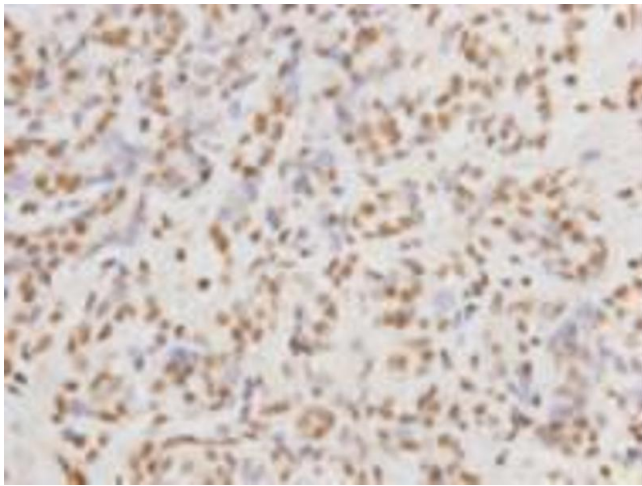
Expiry Date: 12 months

Images



Immunocytochemistry

Image 1.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2.

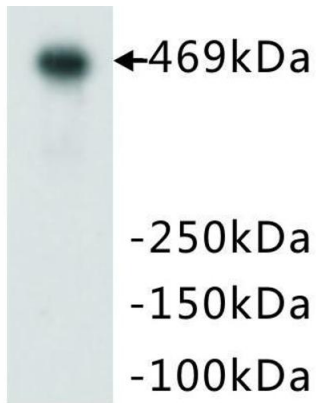


Image 3.

WB: HepG2 cell lysate