abcam

Product datasheet

Anti-Cdc6 antibody [EPR714(2)] - BSA and Azide free ab211734

Recombinant RabMAb

6 Images

Overview

Product name	Anti-Cdc6 antibody [EPR714(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR714(2)] to Cdc6 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, ICC/IF **Unsuitable for:** Flow Cyt (Intra) or IP
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Hela treated with hydroxyurea and Raji treated with FBS lysates IHC-P: Human gastric adenocarcinoma and Human breast carcinoma tissue
General notes	ab211734 is the carrier-free version of **ab109315**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR714(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab211734 in the following tested applications.

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

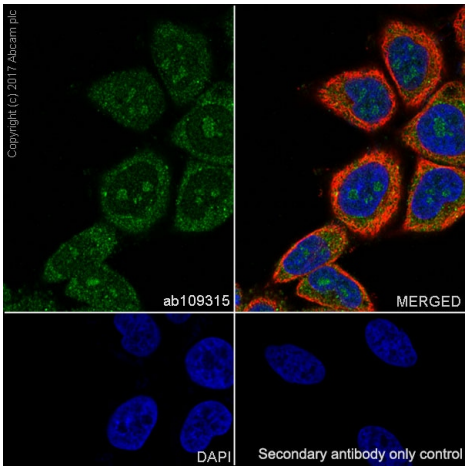
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 62 kDa (predicted molecular weight: 63 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Perform antigen retrieval before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

Application notes Is unsuitable for Flow Cyt (Intra) or IP.

Target

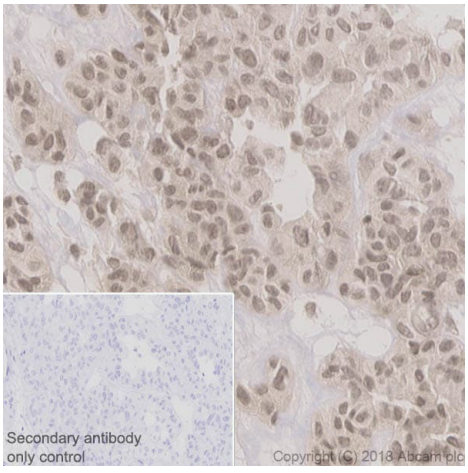
Function	Involved in the initiation of DNA replication. Also participates in checkpoint controls that ensure DNA replication is completed before mitosis is initiated.
Sequence similarities	Belongs to the CDC6/cdc18 family.
Cellular localization	Nucleus. Cytoplasm. The protein is nuclear in G1 and cytoplasmic in S-phase cells.

Images



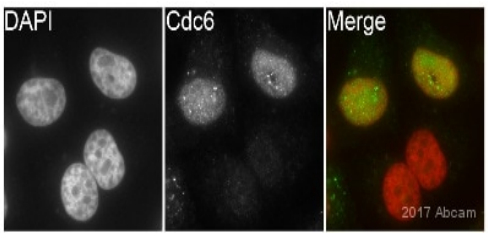
Immunocytochemistry/ Immunofluorescence - Anti-Cdc6 antibody [EPR714(2)] - BSA and Azide free (ab211734)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Cdc6 with Purified **ab109315** at 1:100 dilution (9.4 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor®594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor®488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109315**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdc6 antibody [EPR714(2)] - BSA and Azide free (ab211734)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human thyroid cancer tissue sections labeling Cdc6 with Purified **ab109315** at 1:90 dilution (10.4 µg/ml). Heat mediated antigen retrieval was performed using using **ab93684** (Tris/EDTA buffer, pH 9.0)ImmunoHistoProbe one step HRP Polymer (ready to use)was used as the secondary antibody.Negative control:PBS instead of the primary antibody.Hematoxylinwas used as a counterstain
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109315**).

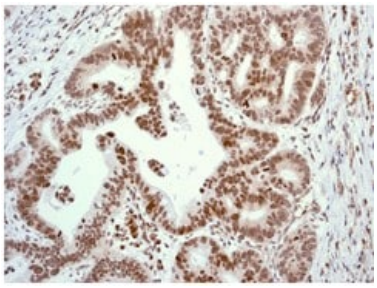


Immunocytochemistry/ Immunofluorescence - Anti-Cdc6 antibody [EPR714(2)] - BSA and Azide free (ab211734)

This image is courtesy of an Abreview submitted by Kirk McManus.

Unpurified **ab109315** staining Cdc6 in the Hela cell line from Human cervix by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.5% Triton X-100. Samples were incubated with primary antibody (1/500 in PBS) for 1 hour at 22°C. Ab150081 (1/200) was used as the secondary antibody.

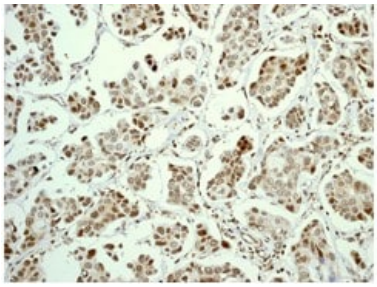
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109315**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdc6 antibody [EPR714(2)] - BSA and Azide free (ab211734)

Immunohistochemical analysis of Cdc6 in paraffin embedded Human gastric adenocarcinoma tissue, using unpurified **ab109315** at a 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109315**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdc6 antibody [EPR714(2)] - BSA and Azide free (ab211734)

Immunohistochemical analysis of Cdc6 in paraffin embedded Human breast carcinoma tissue, using unpurified **ab109315** at a 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109315**).

Anti-Cdc6 antibody [EPR714(2)] - BSA and Azide free (ab211734)

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