

Datasheet for ABIN6941283

anti-CDC20 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CDC20
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CDC20 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Urea-denatured His6 Cdc20 human recombinant protein
Clone:	AR12
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CDC20
Alternative Name:	CDC20 (CDC20 Products)
Background:	Cyclins, regulatory subunits, which associate with kinases, control many of the important steps in cell cycle progression. The Cdc2 protein kinase (p34Cdc2) exhibits protein kinase activity in vitro and exists in a complex with both cyclin B and a protein homologous to p13SUC1. Cdc2

Target Details

kinase is the active subunit of the M phase promoting factor (MPF) and the M phase-specific Histone H1 kinase. The p34Cdc2/cyclin B complex is required for the G2 to M transition. An additional cell cycle-dependent protein kinase, termed p55cdc, exhibits a high degree of homology with the *S. cerevisiae* proteins Cdc20 and Cdc4. The p55cdc transcript is readily detectable in a variety of cultured cell lines in growth phase, but disappears when cell growth is chemically arrested.

Molecular Weight: 55kDa

Gene ID: 991

UniProt: [Q12834](#)

Application Details

Application Notes: Positive Control: Ramos or HeLa cells. Tonsil or gastric carcinoma.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

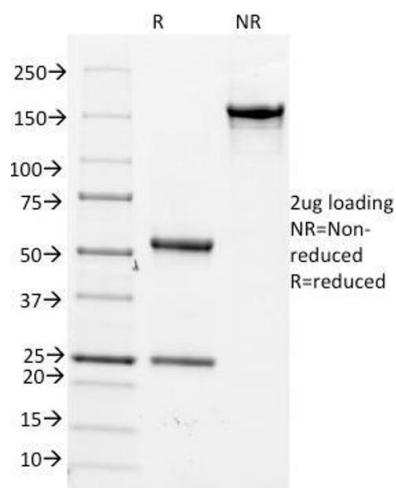
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

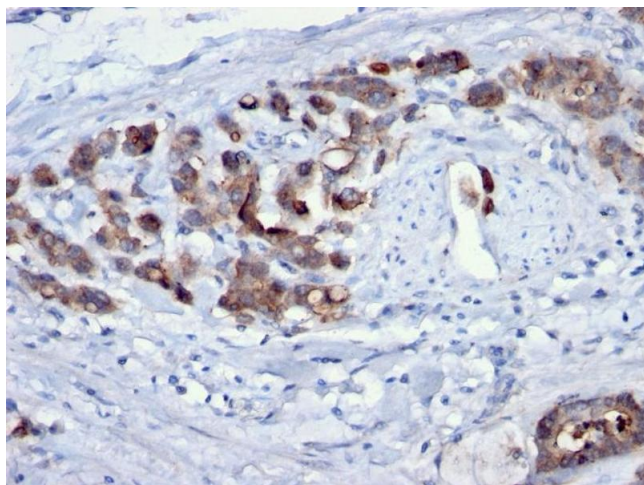
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



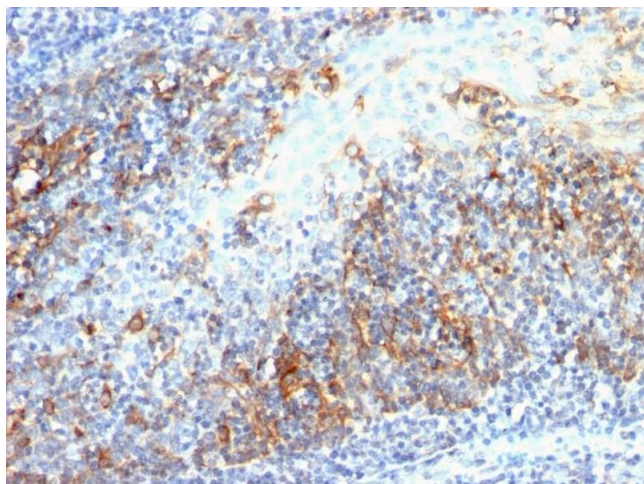
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CDC20 Mouse Monoclonal Antibody (AR12). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with CDC20 Mouse Monoclonal Antibody (AR12).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with CDC20 Mouse Monoclonal Antibody (AR12).