

DESCRIPTION

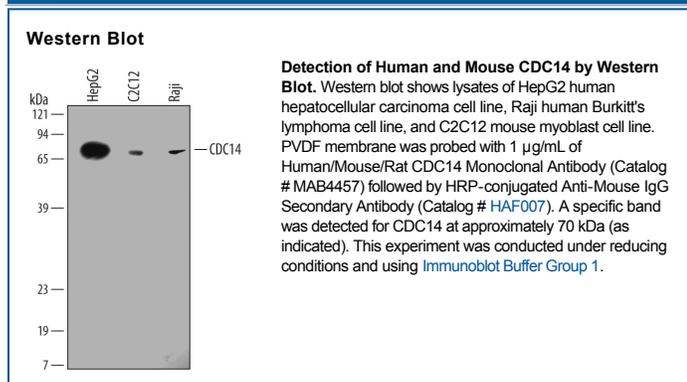
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat CDC14A in Western blots. In Western blots, this antibody does not cross-react with recombinant human PTEN. Reactivity with CDC14B is not known.
Source	Monoclonal Mouse IgG ₁ Clone # 472508
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CDC14A Met15-Gly366 Accession # Q9UNH5
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Cell Division Cycle 14 (CDC14) is a dual tyrosine and serine/threonine phosphatase. There are two CDC14 proteins, CDC14A with a molecular weight of 70 kDa, and CDC14B with a molecular weight of 53 kDa. CDC14A is primarily associated with the nucleolus, bound to Cfi1/Net1 during cell cycle interphase. During anaphase and telophase, CDC14 redistributes to the nucleoplasm and cytoplasm, where it plays a role in segregating and separating sister chromatids. Mutations that alter CDC14 function cause uneven distribution of chromosomes in dividing cells.