

# **Human/Mouse CDC73 Antibody**

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5508

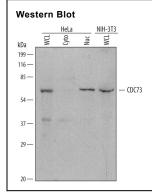
DESCRIPTION	
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse CDC73 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human CDC73 Met1-Glu260 Accession # Q6P1J9
Formulation	Lyophilized from a 0.2 µm filtered solution 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



# Detection of Human and Mouse CDC73 by Western Blot.

Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line and NIH-3T3 mouse embryonic fibroblast cell line. Gels were loaded with 30 μg of whole cell lysate (WCL), 20 μg of cytoplasmic (Cyto), and 10 μg of nuclear extracts (Nuc). PVDF membrane was probed with 1 μg/mL Goat Anti-Human/Mouse CDC73 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5508) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band for CDC73 was detected at approximately 65 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

### PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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.

- 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

CDC73 (also Parafibromin, HRPT2, and C1orf28) is a 60-65 kDa member of the Cell Division Cycle family of proteins. It is found in adrenal, parathyroid and kidney, and serves as a regulator of Wnt signaling and a tumor suppressor by blocking c-myc expression. Human CDC73 is 531 amino acids (aa) in length. It contains multiple NLSs (aa 125-139, 76-92, and 393-410) and a  $\beta$ -catenin interaction sequence (aa 218-263). There are at least two potential splice variants. One shows a five Lys substitution for aa 300-531, while a second shows a 19 aa substitution for aa 298-531. Full-length human and mouse CDC73 are completely (100%) identical in primary aa sequence.

