

CUX1/Protein CASP Polyclonal Antibody

Product Details

Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to amino acids N-terminus of human CDP
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 50% glycerol
Contains	0.02% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2553490

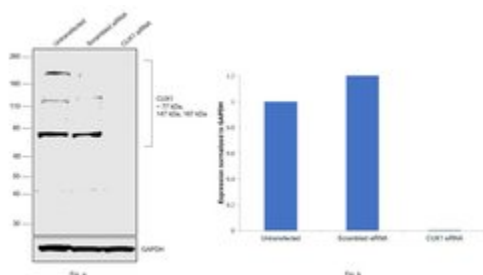
Applications	Tested Dilution	Publications
Immunofluorescence (IF)	1:50-1:200	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Western Blot (WB)	1:500-1:1000	-

Product Specific Information

This antibody detects endogenous protein at a molecular weight of 78 kDa.

Purity is >95% by SDS-PAGE.

Advanced Verification Data



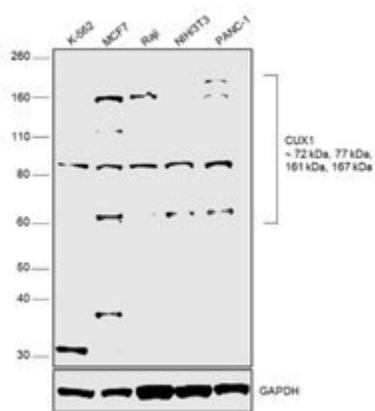
CUX1/Protein CASP Antibody (PA5-36355)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. MCF7 cells were transfected with CUX1 siRNA and reduction of signal was observed in Western Blot using CUX1 Polyclonal Antibody (Product # PA5-36355). Knockdown validation info.

Product Images For CUX1/Protein CASP Polyclonal Antibody

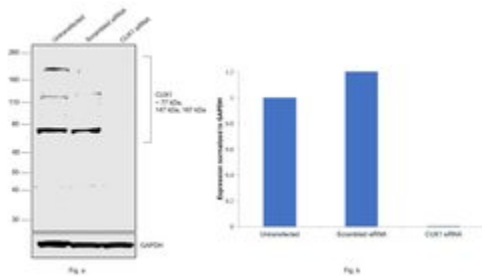
CUX1/Protein CASP Antibody (PA5-36355) in WB

Western blot was performed using Anti-CUX1 Polyclonal Antibody (Product # PA5-36355) and 72kDa, 77kDa, 147kDa, 167kDa bands corresponding to CUX1 was observed across cell lines tested. Whole cell extracts (30ug) of K-562 (Lane 1), MCF7 (Lane 2), Raji (Lane 3), NIH/3T3 (Lane 4) and PANC-1 (Lane 5) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # LC2001) by XCell SureLock™ Mini-Cell and XCell II™ Blot Module (Product # EI0002). The blot was probed with the primary antibody (1:500 dilution) and detected by chemiluminescence with Goat Anti-Rabbit IgG Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



CUX1/Protein CASP Antibody (PA5-36355) in WB

Knockdown of CUX1 was achieved by transfecting MCF7 cells with CUX1 specific siRNAs (Silencer® select Product # s3768, s3769). Western blot analysis (Fig. a) was performed using whole cell extracts from the CUX1 knockdown cells (Lane 3), non-specific scrambled siRNA transfected cells (Lane 2) and untransfected cells (Lane 1). The blot was probed using CUX1 Polyclonal Antibody (Product # PA5-36355, 1:500 dilution) and Goat Anti-Rabbit IgG Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution). Densitometric analysis of this western blot for the 77 kDa band is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to CUX1.



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