

Product datasheet for **TA389100**

CDC42 Mouse Antibody [Clone ID: M430]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M430
Applications:	ICC, WB
Recommended Dilution:	WB: 1:500 ICC: 1:200
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgM
Immunogen:	Clone (M430) was generated from a rat recombinant Cdc42 protein. This sequence is highly conserved in human and mouse Cdc42.
Specificity:	The antibody detects a 21 kDa* protein in human Jurkat cells, rat A7r5 cells, and mouse brain. The antibody also detects recombinant full length rat Cdc42 fusion protein, but does not recognize a full length human RhoA GST fusion protein.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Concentration:	lot specific
Purification:	Antigen Affinity Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	21
Database Link:	P60953



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Background:

Cdc42 proteins are Rho GTPase family members, which act as molecular switches in regulating a variety of biological response pathways including cell motility, cell-cycle progression, gene transcription, and cell transformation. Cdc42 GTPases regulate molecular events by cycling from the inactive GDP-bound state to active GTP-bound forms. The ratio of GDP versus GTP, which is bound to the GTPase, is determined by the opposing effects of guanine nucleotide exchange factors and GTPase activating proteins. Active (GTP-bound) Cdc42 binds to the p21-binding domain of p21-activated protein kinase 1 (PAK1) to regulate downstream signaling cascades.

Note:

Protein G purified tissue culture supernatant.