

#47055 Store at -20C

CAP1 (D2K3J) Rabbit mAb



Orders: 877-616-CELL (2355)
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Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H M R	Endogenous	56	Rabbit IgG	#Q01518	10487

Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	CAP1 (D2K3J) Rabbit mAb recognizes endogenous levels of total CAP1 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val337 of human CAP1 protein.	
Background	Adenylyl cyclase-associated protein 1 (CAP1) is a widely expressed actin regulatory protein that plays a role in adhesion through its interactions with talin1 and FAK (1). High CAP1 expression is associated with metastasis in hepatocellular carcinoma (2), and esophageal squamous cell carcinoma (3). Research studies also show that CAP1 expression in human epithelial ovarian cancer correlates with proliferation, histological grade, and prognosis (4).	
Background References	<ol style="list-style-type: none"> 1. Zhang, H. et al. (2013) <i>J Biol Chem</i> 288, 20966-77. 2. Liu, Y. et al. (2014) <i>Pathol Res Pract</i> 210, 169-75. 3. Li, M. et al. (2013) <i>Jpn J Clin Oncol</i> 43, 856-64. 4. Hua, M. et al. (2015) <i>Int J Mol Med</i> 35, 941-9. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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