

**TABLE 1** Cellular concentrations ( $\mu\text{M}$ ) of key proteins in the actin system of diverse cells

Protein	<i>Acanthamoeba</i>	<i>Dictyostellium</i>	Neutrophil unactivated	<i>Xenopus</i> egg extract	Platelet unactivated	<i>S. cerevisiae</i>
Polymerized actin	100	90	100	4	330	2
Unpolymerized actin	100	160	300	12	220	0.01
Profilin	100			5		present
Thymosin- $\beta$ 4	? absent	? absent		20	550	absent
ADF/cofilin	20	<100		3	30	present
Arp2/3 complex	2-4	present	10		9	present
Capping protein	1	1	1-2		5	1
Gelsolin	? absent				5	
$\alpha$ -actinin	4	3				
Filamin	? absent				6	
ABP120	? absent	6				

References: *Acanthamoeba* (43, 134, 30, 58, 106); *Dictyostelium* (John Condeelis, Albert Einstein College of Medicine); neutrophil (32, Cano 91, 38, 50); platelet (John Hartwig, Harvard Medical School, 87, 9, 46); *S. cerevisiae* (John Cooper, Washington University).