

Actin, Rabbit Muscle

CATALOG NO:	P1246-500 500 µg P1246-1000 1 mg
ALTERNATE NAMES:	alpha skeletal muscle, Alpha-actin-1, ACT1, ACTA, G-actin, globular-actin
PURITY:	> 95% by SDS-PAGE
MOL. WEIGHT:	42.8 kDa
FORM:	Lyophilized
RECONSTITUTION:	Reconstitute in 5 mM Tris, 0.2 mM CaCl ₂ , 0.2 mM ATP pH 8.0. Avoid repeated freeze-thaw cycles.
STORAGE CONDITIONS:	Lyophilized proteins can be stored at -20°C. Once reconstituted, aliquot and store at -20°C. Avoid repeated freeze-thaw cycles.
DESCRIPTION:	Actin is one of the major components of cytoskeleton, highly conserved and abundant proteins in eukaryotic cells. It is present as monomeric globular protein, called G actin or as a polymer filament, F actin. It plays major role in cell division, cell motility, cell signaling, organelle movement etc. Mammals have 6 isoforms of Actin, which can be divided into 3 classes, α, β and γ. Muscle Actin is of α class and all other non muscle actin fall in β and γ -class.
ACTIVITY:	> 80% F-actin post-polymerization

RELATED PRODUCTS:

- Anti-Beta Actin Antibody (4F7) (**Cat. No. A1301**)
- Anti-ACTA2 Rabbit Monoclonal Antibody (**Cat. No. A1118**)
- Anti-ACTC1 Antibody (**Cat. No. A1411**)
- Beta-Actin Antibody (Clone BA3R) (**Cat. No. 3598R**)

FOR RESEARCH USE ONLY! Not to be used on humans.