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## **Beta-Actin (8H10) Antibody**

**Subcategory:** Mouse Monoclonal Antibody

**Cat. No.:** 252821

**Unit:** 0.1 ml

### **Description:**

Actins are highly conserved proteins involved in cell motility that are ubiquitously expressed in eukaryotic cells. There are 3 main actin isoforms in vertebrates: alpha, beta and gamma. The alpha actins are found in muscles and are a major constituent of the contractile apparatus. The beta and gamma actins coexist in most cell types as components of the cytoskeleton and mediators of internal cell motility. Defects in beta-actin are a cause of juvenile-onset dystonia, a movement disorder with a neurological basis.

**Isotype:** Mouse IgG2b

**Applications:** WB, IF, FC

**Species Reactivity:** H, M, Hm, R, Mk

**Format:** Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

**Alternate Names:** Actin, cytoplasmic 1; Beta-actin; ACTB

**Accession No.:** P60709

**Antigen:** Synthetic peptide corresponding to amino-terminal residues of human beta-Actin, conjugated to KLH.

**Application Notes:** WB: 1:500-1:2000; IF: 1:200-1:1000; FC: 1:200-1:400;

**Storage:** Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.