

## Beta-Actin Antibody

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 250920

**Unit:** 0.1 mg

**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. This antibody is well suited as positive control for many cell lines and tissues.

**Isotype:** Rabbit Ig

**Applications:** E, IHC, WB

**Species Reactivity:** B, H, M, P, R, Sh

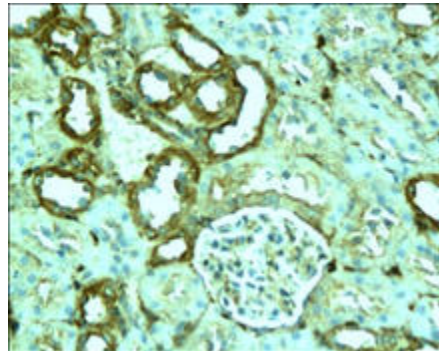
**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

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

**Accession No.:** P60709

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human beta-actin.

**Application Notes:** E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



**Beta-Actin staining of mouse kidney glomerulus. Paraffin-embedded mouse kidney glomerulus is stained with Beta-Actin Antibody (Cat. No. 250920) used at 1:500 dilution.**

**Storage:** Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

**Product Citations:** [1] Hua L et al. 2013. Tumor Biology. DOI: 10.1007/s13277-013-1258-1. PMID# 24114014. [2] Sun Q et al. 2013. Tumor Biology. July 2013. PMID# 23857284. [3] Li Y et al. 2013. Tumor Biology. June 26, 2013. PMID# 23801152. [4] Jianwei Z et al. 2013. Tumor Biology. PMID# 23740615. [5] Yingjie L et al. 2013. Tumor Biology. May 17. PMID# 23681800 [6] Yu, G et al. 2013. Biomedical and Life Sciences. Tumor Biology. 34(1):91-98. PMID# 22983920. [7] Zhong L et al. 2013. Biomedical and Life Sciences. Tumor Biology. 34(1):231-239. PMID# 23055197. [8] Li Y et al. 2012. Biomedical and Life Sciences. Tumor Biology.33(5): 1403-1410. PMID# 22528939. [9] Chen E et al. 2012. Biomedical Life Sciences. Tumor Biology. 33(5):1393-1401. PMID# 22488244. [10] Wei S et al. 2012. Biomedical and Life Sciences. Tumor Biology. 33(4): 1223-1230. PMID# 22392501. [11] Xu Y et al. 2011. Biomedical and Life Sciences. Molecular and Cellular Biochemistry. 363(1-2): 93-97. PMID# 22143536.

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