

# Product Datasheet

## Beta Actin Antibody NB100-56874SS

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**Publications: 23**

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Updated 6/15/2014 v.20.1

**NB100-56874SS**

Beta Actin Antibody

Product Information	
Unit Size	0.025 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Protein G purified
Buffer	PBS containing 0.05% BSA

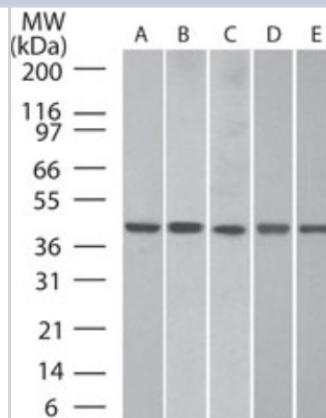
Product Description	
Host	Rabbit
Gene ID	60
Gene Symbol	ACTB
Species	Human, Mouse, Rat
Species Reactivity	Cross reacts with Human, Mouse and Rat.
Specificity/Sensitivity	The NCBI accession number for actin is AAA51567. This can not be used to test heart or muscle lysate loading.
Immunogen	Amino acids 2-16 (CDDIAALVIDNGSG) of actin protein were used as the immunogen.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin 10 ug/ml, Western Blot 0.25-1 ug/ml
Application Notes	This antibody is not suitable for testing heart or muscle lysate loading.

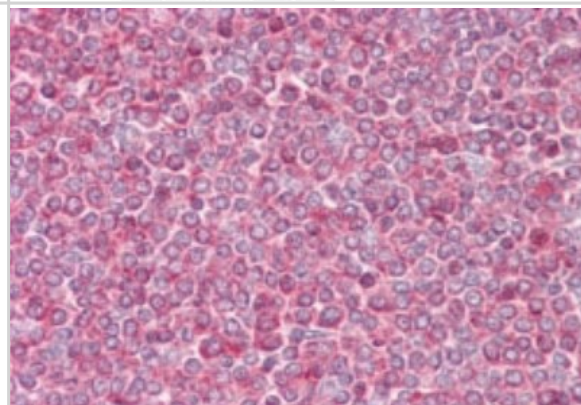


## Images

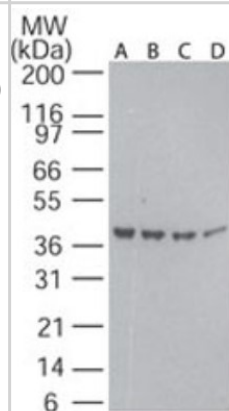
Western Blot: Beta Actin Antibody [NB100-56874] - analysis using beta actin antibody: Lysate from A: human brain, B: mouse brain, C: rat brain, D: human lung and E: human spleen tissue probed using beta actin antibody at 0.25 ug/ml.



Immunohistochemistry-Paraffin: Beta Actin Antibody [NB100-56874] - analysis of human spleen using antibody at 10 ug/ml.



Western Blot: Beta Actin Antibody [NB100-56874] - analysis using beta actin antibody: Decreasing amounts of human ovary tissue lysate were probed using beta actin antibody at 0.25 ug/ml: A) 40 ug, B) 30 ug, C) 20 ug, and D) 10 ug per lane.



## Publications

Morita K, Shiraishi S, Motoyama N et al. Palliation of bone cancer pain by antagonists of platelet-activating factor receptors. PLoS ONE 2014 Mar 18 [PMID: 24637403] (WB, Mouse)

Vishvakarma NK, Kumar A, Singh V et al. Hyperglycemia of tumor microenvironment modulates stage-dependent tumor progression and multidrug resistance: implication of cell survival regulatory molecules and altered glucose transport. Mol Carcinog 2013 Dec [PMID: 22566271] (WB, Mouse)

Kumar A, Kant S, Singh SM. Targeting monocarboxylate transporter by alpha-cyano-4-hydroxycinnamate modulates apoptosis and cisplatin resistance of Colo205 cells: implication of altered cell survival regulation. Apoptosis 2013 Dec [PMID: 23955790] (WB, Human)

Sugawara S, Ito T, Sato S et al. Production of an aminoterminally truncated, stable type of bioactive mouse fibroblast growth factor 4 in Escherichia coli. J Biosci Bioeng 2013 Nov 6 [PMID: 24210555] (WB, Mouse)

Kumar A, Kant S, Singh SM. Antitumor and chemosensitizing action of dichloroacetate implicates modulation of tumor microenvironment: A role of reorganized glucose metabolism, cell survival regulation and macrophage differentiation. Toxicol Appl Pharmacol 2013 Nov 15 [PMID: 24051182] (WB, Mouse)

Sivadas VP, George NA, Kattoor J, Kannan S. Novel mutations and expression alterations in SMAD3/TGFBR2 genes in oral carcinoma correlate with poor prognosis. Genes Chromosomes Cancer 2013 Nov [PMID: 23913824] (WB, Human)

Kamal A, Tamboli JR, Ramaiah MJ et al. Quinazolino linked 4beta-amidopodophyllotoxin conjugates regulate angiogenic pathway and control breast cancer cell proliferation. Bioorg Med Chem 2013 Nov 1 [PMID: 24055291] (WB, Human)

Gerstner JR, Vanderheyden WM, LaVaute T et al. Time of day regulates subcellular trafficking, tripartite synaptic localization, and polyadenylation of the astrocytic Fabp7 mRNA. J Neurosci. 2012 Jan 25 [PMID: 22279223]

Acharya S, Dilnawaz F, Sahoo SK. Targeted epidermal growth factor receptor nanoparticle bioconjugates for breast cancer therapy. Biomaterials. 2009 Oct [PMID: 19631377]

Morita K, Motoyama N, Kitayama T et al. Spinal antiallodynia action of glycine transporter inhibitors in neuropathic pain models in mice. J Pharmacol Exp Ther. 2008 Aug [PMID: 18448867]

Iha M, Soma M, Sato S et al. Severe inhibition of in vitro cardiomyogenesis in mouse embryonic stem cells ectopically expressing EGAM1C homeoprotein. Biosci Biotechnol Biochem. 2012 [PMID: 22785471]

Karcher EL, Bayles DO, Bannantine JP et al. Osteopontin: a novel cytokine involved in the regulation of Mycobacterium avium subspecies paratuberculosis infection in periparturient dairy cattle. J Dairy Sci. 2008 Aug [PMID: 18650284]

More publications at <http://www.novusbio.com/NB100-56874>





### **Novus Biologicals USA**

8100 Southpark Way, A-8  
Littleton, CO 80120  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
novus@novusbio.com

### **Novus Biologicals Canada**

461 North Service Road West, Unit B37  
Oakville, ON L6M 2V5  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada@novusbio.com

### **Novus Biologicals Europe**

12 Cambridge Science Park  
Cambridge, CB4 0FQ  
United Kingdom  
Phone: +44 (0)1223 426001  
Fax: +44 (0)871 971 1635  
europe@novusbio.com

### **General Contact Information**

www.novusbio.com  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

**For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

