

## Anti-Phospho-Actin-alpha/gamma (Y55/53) ACTC1 Antibody

Catalog Number: A03744Y55

### About ACTC1

Proton-sensing receptor involved in pH homeostasis. May represents an osteoblastic pH sensor regulating cell-mediated responses to acidosis in bone. Mediates its action by association with G proteins that stimulates inositol phosphate (IP) production or Ca<sup>2+</sup> mobilization. The receptor is almost silent at pH 7.8 but fully activated at pH 6.8. Function also as a metastasis suppressor gene in prostate cancer By similarity.

An S., FEBS Lett. 375:121-124(1995).

Xu Y., Genomics 35:397-402(1996).

King M.M., Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.

### Overview

Product Name	Anti-Phospho-Actin-alpha/gamma (Y55/53) ACTC1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-Actin-alpha/gamma (Y55/53) ACTC1 Antibody catalog # A03744Y55. Tested in ELISA, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P68032

### Technical Details

Immunogen	Synthesized peptide derived from human Actin-alpha/gamma around the phosphorylation site of Y55/53.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-

	specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>IHC 1:100-1:300</p> <p>ELISA 1:5000</p>

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