

Anti-Pumilio 1 PUM1 Antibody

Catalog Number: A02111-1

About PUM1

Chromatin reader that specifically recognizes and binds histone H3.3 trimethylated at 'Lys-36' (H3.3K36me3) and regulates RNA polymerase II elongation. Does not bind other histone H3 subtypes (H3.1 or H3.2) By similarity. Colocalizes with highly expressed genes and functions as a transcription corepressor by modulating RNA polymerase II at the elongation stage. Acts as a tumor-suppressor by repressing a transcriptional program essential for tumor cell growth.

Hateboer G., EMBO J. 14:3159-3169(1995).

Deloukas P., Nature 429:375-381(2004).

Matsuoka S., Science 316:1160-1166(2007).

Overview

Product Name	Anti-Pumilio 1 PUM1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Pumilio 1 PUM1 Antibody catalog # A02111-1. Tested in WB,ICC,IF,IHC,Flow Cytometry,IP applications. This antibody reacts with Human,Mouse.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
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	Q14671

Technical Details

Immunogen	Synthesized peptide derived from human Shb around the phosphorylation site of Y246.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ProA affinity purified

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB: 1:1,000-1:2,000

ICC: 1:50-1:200

IHC: 1:50-1:200

FC: 1:50-1:100

IP: 1:10-1:50

Anti-Pumilio 1 PUM1 Antibody (A02111-1) Images

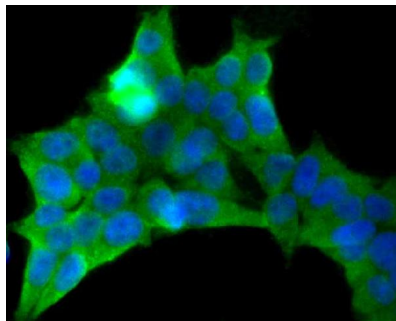


Figure 2. Immunocytochemistry staining of PUM1 using Anti-Pumilio 1 PUM1 Antibody (A02111-1).

ICC staining Pumilio 1 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

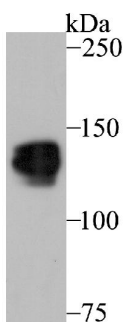


Figure 1. Western blotting validation for Anti-Pumilio 1 PUM1 Antibody A02111-1

Western blot analysis of Pumilio 1 on SiHa cell using anti-Pumilio 1 antibody at 1/1

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