

Datasheet for ABIN3042652

anti-RUNX3 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	RUNX3
Binding Specificity:	AA 186-205, Middle Region
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RUNX3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-RUNX3 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of mouse RUNX3, identical to the related rat sequence.
Sequence:	QKIEDQTKAF PDRFGDLRMR
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-RUNX3 Antibody (ABIN3042652). Tested in WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: RUNX3

Alternative Name: RUNX3 ([RUNX3 Products](#))

Background: Synonyms: Runt-related transcription factor 3, Acute myeloid leukemia 2 protein, Core-binding factor subunit alpha-3, CBF-alpha-3, Oncogene AML-2, Polyomavirus enhancer-binding protein 2 alpha C subunit, PEA2-alpha C, PEBP2-alpha C, SL3-3 enhancer factor 1 alpha C subunit, SL3/AKV core-binding factor alpha C subunit, Runx3, Aml2, Cbfa3, Pebp2a3,

Background: Runt-related transcription factor 3, also called AML2 is a protein that in humans is encoded by the RUNX3 gene. The RUNX3 gene encodes a Runt-related transcription factor, which is part of the RUNX gene family. By fluorescence in situ hybridization, RUNX3 was assigned to human chromosome 1p36.11. RUNX3 binds to the core site of murine Leukemia virus, the core sequences in the enhancer of the polyomavirus, and also to the enhancers of the T-cell receptor genes. It may be involved in the control of cellular proliferation and/or differentiation.

Molecular Weight: 44 kDa

UniProt: [Q64131](#)

Application Details

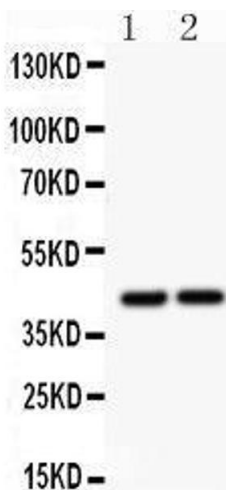
Application Notes: Western blot, 0.1-0.5 µg/mL, Mouse, Rat

1. Brenner, O., Levanon, D., Negreanu, V., Golubkov, O., Fainaru, O., Woolf, E., Groner, Y. Loss of Runx3 function in leukocytes is associated with spontaneously developed colitis and gastric mucosal hyperplasia. Proc. Nat. Acad. Sci. 101: 16016-16021, 2004. 2. Fainaru, O., Shseyov, D., Hantisteanu, S., Groner, Y. Accelerated chemokine receptor 7-mediated dendritic cell migration in Runx3 knockout mice and the spontaneous development of asthma-like disease. Proc. Nat. Acad. Sci. 102: 10598-10603, 2005. 3. Ito, K., Liu, Q., Salto-Tellez, M., Yano, T., Tada, K., Ida, H., Huang, C., Shah, N., Inoue, M., Rajnakova, A., Hiong, K. C., Peh, B. K., Han, H. C., Ito, T., Teh, M., Yeoh, K. G., Ito, Y. RUNX3, a novel tumor suppressor, is frequently inactivated in gastric cancer by protein mislocalization. Cancer Res. 65: 7743-7750, 2005. 4. Li, Q.-L., Ito, K., Sakakura, C., Fukamachi, H., Inoue, K., Chi, X.-Z., Lee, K.-Y., Nomura, S., Lee, C.-W., Han, S.-B., Kim, H.-M., Kim, W.-J., and 15 others. Causal relationship between the loss of RUNX3 expression and gastric cancer. Cell 109: 113-124, 2002.

Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Anti- RUNX3 antibody, Western blotting All lanes:
Anti RUNX3 at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: Mouse Liver Tissue Lysate at 50ug Predicted bind size: 44KD Observed bind size: 44KD