

RUNX3 Polyclonal Antibody | anti-RUNX3 antibody

Anti-RUNX3 Antibody

CATALOG # AAA46495	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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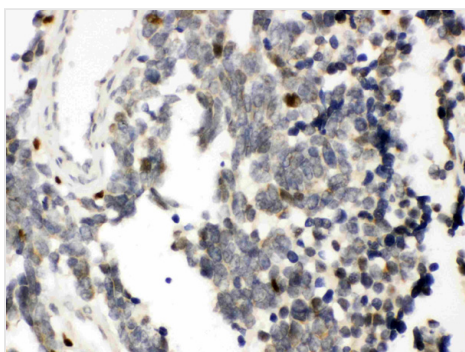
PRODUCT SYNONYMS

RUNX3; Polyclonal Antibody; Anti-RUNX3 Antibody; Runt-related transcription factor 3; Acute myeloid leukemia 2 protein; Acute myeloid leukemia gene 2; AML 2; AML2; CBF alpha 3; CBF-alpha-3; CBFA 3; CBFA3; Core binding factor alpha 3 subunit; core binding factor; Core binding factor runt domain alpha subunit 3; Core binding factor subunit alpha 3; core-binding factor; Core-binding factor subunit alpha-3; FLJ34510; MGC16070; Oncogene AML 2; Oncogene AML-2; PEA2 alpha C; PEA2-alpha C; PEBP2 alpha C; PEBP2-alpha C; Pebp2a3; PEBP2aC; Polyomavirus enhancer binding protein 2 alpha C subunit; Polyomavirus enhancer-binding protein 2 alpha C subunit; runt domain alpha subunit 3; runt related transcription factor 3; RUNX 3; Runx3; RUNX3_HUMAN; SL3 3 enhancer factor 1 alpha C subunit; SL3-3 enhancer factor 1 alpha C subunit; SL3/AKV core binding factor alpha C subunit; SL3/AKV core-binding factor alpha C subunit; Transcription factor AML2; runt-related transcription factor 3; anti-RUNX3 antibody

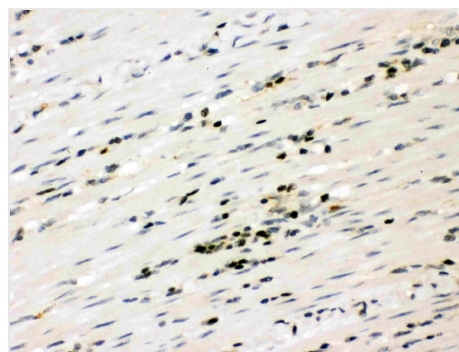
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	429
Applicable Applications for anti-RUNX3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human RUNX3 recombinant protein (Position: M128-Y270). Human RUNX3 shares 93% amino acid (aa) sequence identity with mouse RUNX3.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

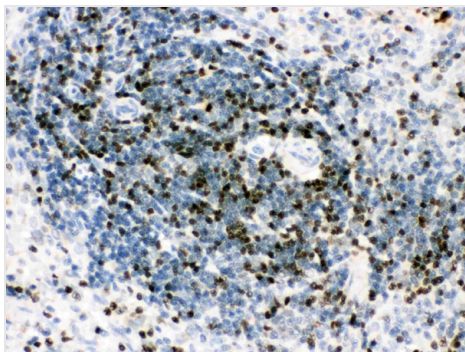
IMAGES



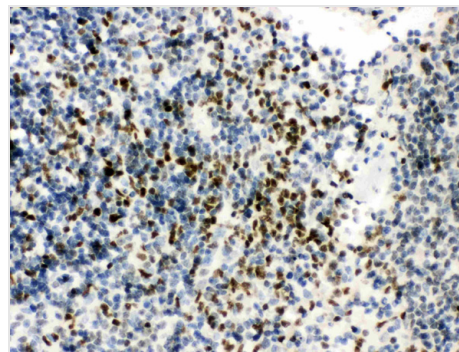
IHC (Immunohistochemistry)
Anti- RUNX3 Picoband antibody, AAA46495, IHC(P)IHC(P): Human Lung Cancer Tissue



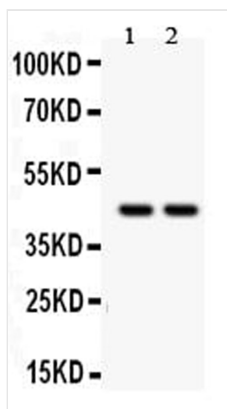
IHC (Immunohistochemistry)
Anti- RUNX3 Picoband antibody, AAA46495, IHC(P)IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemistry)
Anti- RUNX3 Picoband antibody, AAA46495, IHC(P)IHC(P): Rat Spleen Tissue



IHC (Immunohistochemistry)
Anti- RUNX3 Picoband antibody, AAA46495, IHC(P)IHC(P): Mouse Spleen Tissue



WB (Western Blot)
Anti- RUNX3 Picoband antibody, AAA46495, Western blottingAll lanes: Anti RUNX3 (AAA46495) at 0.5ug/mlLane 1: A431 Whole Cell Lysate at 40ugLane 2: U20S Whole Cell Lysate at 40ugPredicted bind size: 44KDObserved bind size: 44KD

ADDITIONAL INFORMATION

Related Product Information for anti-RUNX3 antibody	Description: Rabbit IgG polyclonal antibody for Runt-related transcription factor 3(RUNX3) detection. Tested with WB, IHC-P in Human;Mouse;Rat. 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.
References	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. <i>Proc. Nat. Acad. Sci.</i> 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. <i>Proc. Nat. Acad. Sci.</i> 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. <i>Cancer Res.</i> 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. <i>Cell</i> 109: 113-124, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	72534652
NCBI GeneID	864

NCBI Accession #	NP_001026850.1
NCBI GenBank Nucleotide #	NM_001031680.2
UniProt Accession #	Q13761 ; Q12969 ; Q13760 ; B1AJV5
Molecular Weight	45,922 Da
NCBI Official Full Name	runt-related transcription factor 3 isoform 1
NCBI Official Synonym Full Names	runt related transcription factor 3
NCBI Official Symbol	RUNX3
NCBI Official Synonym Symbols	AML2; CBFA3; PEBP2aC
NCBI Protein Information	runt-related transcription factor 3
UniProt Protein Name	Runt-related transcription factor 3
UniProt Gene Name	RUNX3
UniProt Synonym Gene Names	AML2; CBFA3; PEBP2A3; CBF-alpha-3; PEA2-alpha C; PEBP2-alpha C
UniProt Entry Name	RUNX3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/runx3-antibody-immunohistochemistry-western-blot-elisa/46495>