

Datasheet for ABIN6264885

**anti-RUNX3 antibody (Internal Region)****2** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	RUNX3
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RUNX3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human RUNX3, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	RUNX3 Antibody detects endogenous levels of total RUNX3.
Predicted Reactivity:	Pig,Bovine,Horse,Rabbit,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	RUNX3
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## Target Details

Alternative Name:	RUNX3 ( <a href="#">RUNX3 Products</a> )
Background:	<p>Description: Forms the heterodimeric complex core-binding factor (CBF) with CBFβ. RUNX members modulate the transcription of their target genes through recognizing the core consensus binding sequence 5'-TGTGGT-3', or very rarely, 5'-TGCGGT-3', within their regulatory regions via their runt domain, while CBFβ is a non-DNA-binding regulatory subunit that allosterically enhances the sequence-specific DNA-binding capacity of RUNX. The heterodimers bind to the core site of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL3 and GM-CSF promoters (By similarity). May be involved in the control of cellular proliferation and/or differentiation. In association with ZFH3, upregulates CDKN1A promoter activity following TGF-β stimulation (PubMed:20599712). CBF complexes repress ZBTB7B transcription factor during cytotoxic (CD8+) T cell development. They bind to RUNX-binding sequence within the ZBTB7B locus acting as transcriptional silencer and allowing for cytotoxic T cell differentiation. CBF complexes binding to the transcriptional silencer is essential for recruitment of nuclear protein complexes that catalyze epigenetic modifications to establish epigenetic ZBTB7B silencing (By similarity).</p> <p>Gene: RUNX3</p>
Molecular Weight:	44 kDa
Gene ID:	864
UniProt:	<a href="#">Q13761</a>

## Application Details

Application Notes:	WB 1:500-1:2000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

should be handled by trained staff only.

Storage: -20 °C

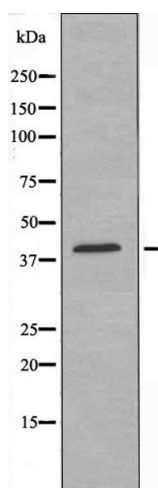
Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date: 12 months

## Publications

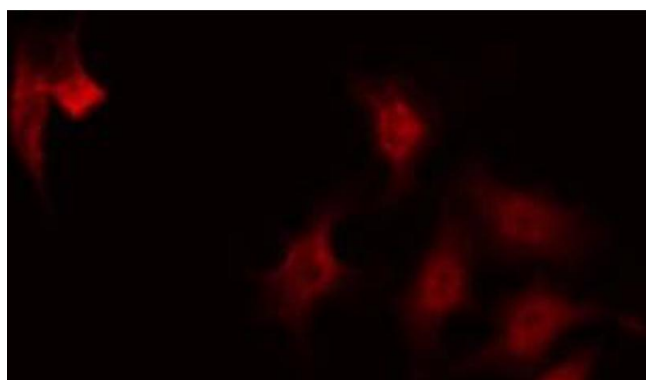
Product cited in: Li, Zhao, Huang, Wang, Zhu, Cao, Xiong, Deng: "MiR-93-5p promotes gastric cancer-cell progression via inactivation of the Hippo signaling pathway." in: **Gene**, Vol. 641, pp. 240-247, (2017) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western blot analysis of RUNX3 expression in HUVEC cells



### Immunofluorescence (fixed cells)

**Image 2.** ABIN6268736 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.