

Datasheet for ABIN3044105  
**anti-KLF3 antibody (N-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	KLF3
Binding Specificity:	AA 20-34, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLF3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Krueppel-like factor 3(KLF3) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human KLF3(20-34aa SYPSNYMESMKPNKY), different from the related rat sequence by one amino acid, and from the related mouse sequence by two amino acids.
Sequence:	SYPSNYMESM KPNKY
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>

## Product Details

Characteristics:	Rabbit IgG polyclonal antibody for Krueppel-like factor 3(KLF3) detection. Tested with WB in Human,Mouse,Rat. Gene Name: Kruppel-like factor 3(basic) Protein Name: Krueppel-like factor 3
Purification:	Immunogen affinity purified.

## Target Details

Target:	KLF3
Alternative Name:	KLF3 ( <a href="#">KLF3 Products</a> )
Background:	<p>KLF3(Krueppel-like factor 3) is a protein that in humans is encoded by the KLF3 gene. It is also known as BKLF(Basic kruppel-like factor). KLF3 is a member of the Krüppel-like factors family of transcription factors. KLF3 primarily represses transcription through the transcriptional corepressor C-terminal binding protein(CtBP). Suske et al.(2005) stated that the human KLF3 gene maps to chromosome 4p14, and the mouse Klf3 gene maps to chromosome 5C3.3. Suske et al.(2005) stated that the human and mouse KLF3 proteins contain 345 and 344 amino acids, respectively. Both have a characteristic zinc finger domain, but lack the N-terminal buttonhead box found in related SP transcription factors. The repression mediated through KLF3 is also partially dependent on the sumoylation of its K10 and K197. Within KLF3's C-terminal, which is highly conserved throughout the KLF family, resides three C2H2 zinc fingers that preferentially bind the site NRG GNG NGR.</p> <p>Synonyms: Basic krueppel-like factor antibody Basic Kruppel like factor antibody BKLF3 antibody CACCC box binding protein BKLF antibody CACCC-box-binding protein BKLF antibody Klf3 antibody KLF3_HUMAN antibody Krueppel-like factor 3 antibody Kruppel like factor 3(basic) antibody MGC48279 antibody TEF-2 antibody TEF2 antibody Transcript ch138 antibody Zinc finger protein 741 antibody ZNF741 antibody</p>
UniProt:	<a href="#">P57682</a>

## Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, The detection limit for KLF3 is approximately 2.5 ng/lane under reducing conditions. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.
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## Application Details

	Other applications have not been tested. Optimal dilutions should be determined by end users.
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 <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): 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:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

## Validation report #300030 for Immunohistochemistry (IHC)



### Western Blotting

**Image 1.** Anti-KLF3 antibody, Western blotting Lane 1: Rat Testis Tissue Lysate Lane 2: HELA Cell Lysate