

Datasheet for ABIN2855075  
**anti-KLF4 antibody (C-Term)**

8 Images

1 Publication

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	KLF4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLF4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human KLF4. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rat (Rattus), Cat (Feline), Pig (Porcine), Sheep (Ovine), Rhesus Monkey, Cow (Bovine)
Cross-Reactivity (Details):	Rat (100 %), Cat (100 %), Pig (100 %), Sheep (100 %), Rhesus Monkey (100 %), Bovine (100 %)
Characteristics:	Rabbit Polyclonal antibody to KLF4 (Kruppel-like factor 4 (gut)) KLF4 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	KLF4
Alternative Name:	KLF4 ( <a href="#">KLF4 Products</a> )
Background:	<p>Transcription factor which acts as both an activator and repressor. Binds the CACCC core sequence. Binds to multiple sites in the 5'-flanking region of its own gene and can activate its own transcription. Required for establishing the barrier function of the skin and for postnatal maturation and maintenance of the ocular surface. Involved in the differentiation of epithelial cells and may also function in skeletal and kidney development.</p> <p>Cellular Localization: Nucleus</p>
Molecular Weight:	55 kDa
Gene ID:	9314
Pathways:	<a href="#">Peptide Hormone Metabolism</a> , <a href="#">Stem Cell Maintenance</a>

## Application Details

Application Notes:	<p>Suggested dilution Reference Flow cytometry/FACS 1:50-1:200* Immunoprecipitation 1:100-1:500* Western blot 1:1000-1:10000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceFlow cytometry/FACS1:50-1:200* Immunoprecipitation1:100-1:500* Western blot1:1000-1:10000*</p>
Comment:	Positive Control: A549 , HeLa , HepG2 , HCT116 , NIH-3T3 , human ESC , mouse ESC , HCT116 , HCT116 nuclear extract , *MDM-MB-231
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS, 1 % BSA, 20 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

## Handling

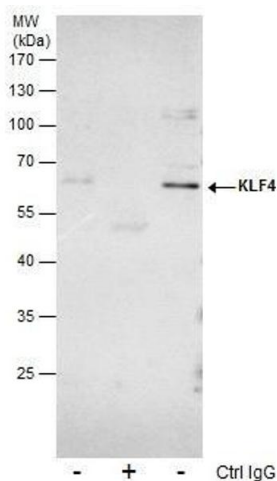
Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Publications

Product cited in: Glaeser, Urban, Fenech, Voloshanenko, Kranz, Lari, Christianson, Boutros: "ERAD-dependent control of the Wnt secretory factor Evi." in: **The EMBO journal**, Vol. 37, Issue 4, (2018) ([PubMed](#)).

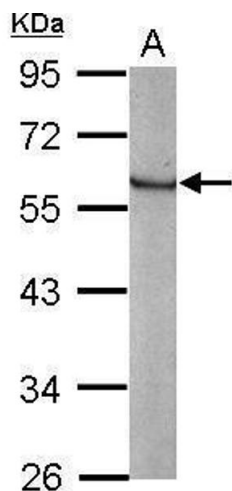
Jain, Noordam, Hoshi, Vallania, Conrad: "Validating single-cell genomics for the study of renal development." in: **Kidney international**, Vol. 86, Issue 5, pp. 1049-55, (2015) ([PubMed](#)).

## Images



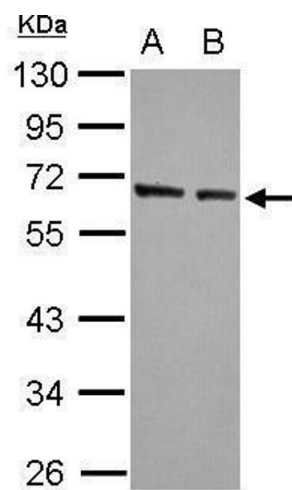
### Immunoprecipitation

**Image 1.** IP Image Immunoprecipitation of KLF4 protein from HeLa whole cell extracts using 5 µg of KLF4 antibody, Western blot analysis was performed using KLF4 antibody, EasyBlot anti-Rabbit IgG was used as a secondary reagent.



### Western Blotting

**Image 2.** WB Image Sample (20 ug of whole cell lysate) A: human ESC 10% SDS PAGE antibody diluted at 1:3000



Western Blotting

**Image 3.** WB Image Sample (30 ug of whole cell lysate) A: A549 B: HeLa 10% SDS PAGE antibody diluted at 1:5000

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2855075.