

Datasheet for ABIN570987  
**anti-IL-18 antibody (Internal Region)**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	IL-18 (IL18)
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This IL-18 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Purpose:	IL18
Immunogen:	Peptide with sequence C-NPPDNIKDTKSDI, from the internal region of the protein sequence according to NP_001553.1, NP_001230140.1.
Sequence:	NPPDNIKDTK SDI
Isotype:	IgG
Specificity:	This antibody is expected to recognise both reported isoforms (NP_001553.1, NP_001230140.1).
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

## Product Details

Grade: Verified

## Target Details

Target:	IL-18 (IL18)
Alternative Name:	IL18 ( <a href="#">IL18 Products</a> )
Background:	IL18, interleukin 18 (interferon-gamma-inducing factor), IGIF, IL-18, IL-1g, IL1F4, MGC12320, IL-1 gamma, interferon-gamma-inducing factor, interleukin 18, interleukin-1 gamma, interleukin-18
Gene ID:	3606, 29197
NCBI Accession:	<a href="#">NP_001553</a> , <a href="#">NP_001230140</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Activated T Cell Proliferation</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Inflammasome</a>

## Application Details

Application Notes:	Western Blot: Approx 23 kDa band observed in lysates of cell line HeLa and approx. 21-22 kDa band in lysates of cell lines A431 and U2OS (calculated MW of 22.3 kDa according to NP_001553.1). Recommended concentration: 1-3 µg/mL. Primary incubation 1 hour at Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	<b>Immunofluorescence:</b> Strong expression of the protein seen in the golgi and cytoplasm of A431and U2OS cells. Recommended concentration: 10µg/ml. <b>Flow Cytometry:</b> Flow cytometric analysis of A431 cells. Recommended conce
Restrictions:	For Research Use only

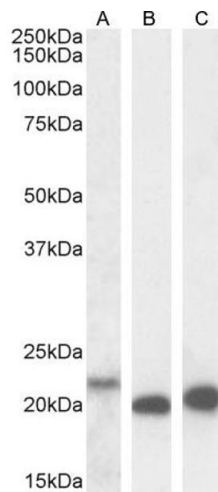
## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



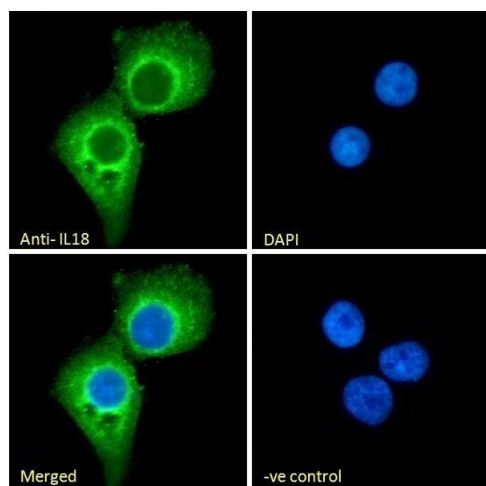
**Western Blotting**

**Image 1.** (ABIN570987) (0.1 µg/mL) staining of HeLa (A), (2 µg/mL) A431 (B) and US0S (C) cell lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.



**Western Blotting**

**Image 2.** ABIN570987 (0.1µg/ml) staining of HeLa lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



### Immunofluorescence

**Image 3.** (ABIN570987) Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing Golgi and cytoplasmic staining. The nuclear stain

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN570987.