

**HOMEZ Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10772a****Specification**

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**HOMEZ Antibody (N-term) - Product Information**

Application	IF, FC, WB,E
Primary Accession	<a href="#">O8IX15</a>
Other Accession	<a href="#">NP_065885.2</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	61240
Antigen Region	158-186

**HOMEZ Antibody (N-term) - Additional Information****Gene ID** 57594**Other Names**

Homeobox and leucine zipper protein Homez, Homeodomain leucine zipper-containing factor, HOMEZ, KIAA1443

**Target/Specificity**

This HOMEZ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 158-186 amino acids from the N-terminal region of human HOMEZ.

**Dilution**

IF~~1:10~50  
FC~~1:10~50  
WB~~1:1000  
E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HOMEZ Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HOMEZ Antibody (N-term) - Protein Information**

**Name** HOMEZ

**Synonyms** KIAA1443

**Function** May function as a transcriptional regulator.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:12925734}

**Tissue Location**

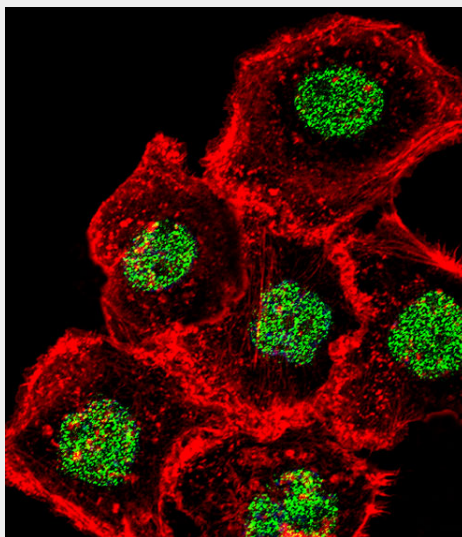
Ubiquitous. Strongly expressed in adult testis and kidney as well as fetal lung and kidney.

**HOMEZ Antibody (N-term) - Protocols**

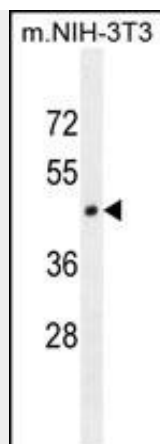
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

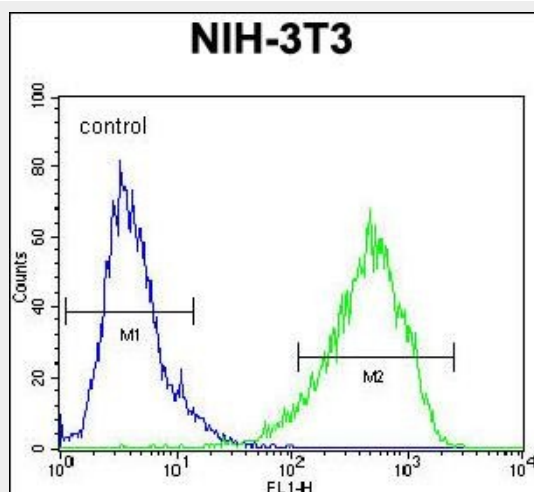
**HOMEZ Antibody (N-term) - Images**



Fluorescent confocal image of A431 cell stained with HOMEZ Antibody (N-term)(Cat#AP10772a).A431 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HOMEZ primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). HOMEZ immunoreactivity is localized to Nucleus significantly.



HOMEZ Antibody (N-term) (Cat. #AP10772a) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the HOMEZ antibody detected the HOMEZ protein (arrow).



HOMEZ Antibody (N-term) (Cat. #AP10772a) flow cytometric analysis of NIH-3T3 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **HOMEZ Antibody (N-term) - Background**

May function as a transcriptional regulator.

#### **HOMEZ Antibody (N-term) - References**

- Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
- Bayarsaihan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 100(18):10358-10363(2003)
- Ceulemans, H., et al. Bioessays 24(4):371-381(2002)