



[Go to Product page](#)

Datasheet for ABIN1715046  
**anti-NLE1 antibody (AA 351-450)**

### Overview

Quantity:	100 µL
Target:	NLE1
Binding Specificity:	AA 351-450
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NLE1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NLE1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	NLE1
---------	------

## Target Details

---

Alternative Name: NLE1 ([NLE1 Products](#))

---

Background: Synonyms: FLJ10458, NLE 1, Nle, Notchless gene homolog, Notchless homolog 1 Drosophila, Notchless homolog 1, Notchless protein homolog 1, NLE1\_HUMAN.

Background: The Notch signaling pathway is an evolutionary conserved system that is involved in intracellular communication. Notch receptors play an important role in development and cell-fate decisions. Notchless is a loss-of-function mutant allele that encodes for protein NLE1 (notchless homolog 1). NLE1 is a 485 amino acid WD40-repeat protein that binds to the cytoplasmic domain of Notch, regulating its signaling activity in *Drosophila melanogaster* and in mice. Deletion of the NLE1 gene in mice during the early stages of development results in embryonic death, while gene deletion in the late stages of development leads to activation of a caspase-3-dependent apoptotic pathway. In plants, NLE1 is crucial for normal cellular growth and development. Under-expression during shoot proliferation causes pleiotropic defects such as delayed flowering and abnormal organ maturation. It may also play a role in 60S ribosomal subunit biogenesis in yeast. NLE1 contains eight WD40 domains and produces one isoform due to alternative splicing.

---

Gene ID: 54475

---

## Application Details

---

Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

---

Restrictions: For Research Use only

---

## Handling

---

Format: Liquid

---

Concentration: 1 µg/µL

---

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

---

Preservative: ProClin

---

## Handling

---

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months