

## Rabbit Anti-ELP1 antibody

SL0245R

<b>Product Name</b>	ELP1
<b>Chinese Name</b>	拟南芥 IKI3 抗体
<b>Alias</b>	IKI3 family protein; Elongator complex protein 1; AtELP1; Elongator component 1; Protein ABA-OVERLY SENSITIVE 1; Protein ELONGATA 2; ELP1_ARATH.
<b>Product Type</b>	Botany 抗体
<b>Research Area</b>	Botany
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted: Arabidopsis Thaliana, ) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	147kDa
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from Arabidopsis thaliana IKI3 family protein: 1256-1319/1319
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>
<b>Product Detail</b>	IKI3 family is the Members of this family are components of the elongator multi-subunit component of a novel RNA polymerase II holoenzyme for

transcriptional elongation.

**Function:**

Acts as subunit of the RNA polymerase II elongator complex, which is a histone acetyltransferase component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4 (By similarity). Promotes organs development by modulating cell division rate. Required for auxin distribution or signaling. Prevents abscisic acid (ABA) signaling leading to stomatal closure and seedling growth inhibition. Involved in oxidative stress signaling. Prevents anthocyanins accumulation.

**Subunit:**

Component of the RNA polymerase II elongator complex (Elongator) made of at least six subunits, ELP1/ELO2, ELP2, ELP3/ELO3, ELP4/ELO1, ELP5, and ELP6.

**Subcellular Location:**

Cytoplasm (By similarity). Nucleus (By similarity).

**Tissue Specificity:**

Expressed in meristematic tissues of in roots, stems, leaves, seedlings, cotyledons, guard cells, floral buds, flowers, siliques, and shoot apices.

**Similarity:**

Belongs to the ELP1/IKA1 family.  
Contains 7 WD repeats.

**SWISS:**

Q9FNA4

**Gene ID:**

N/A

**Database links:**

[SwissProt: Q9FNA4](#) Arabidopsis thaliana

拟南芥是一种十字花科 Botany, 广泛用于 Botany 遗传学、Developmental biology 和分子生物学的研究, 已成为一种典型的模式 Botany。

由于这种 Botany 的全部基因组测序已经完成，因此可以预测，拟南芥在 Botany 学所有领域的研究中将发挥更大的作用。虽然这种 Botany 在许多方面"简单"，但它的大多数基因与其他"复杂"的 Botany 基因具有很高的同源性。

该 Botany 具有以下特点：

- (1) 形态个体小，高度只有 30cm 左右；
- (2) 生长周期快，从播种到收获种子一般只需 6 周左右；
- (3) 种子多，每株每代可产生数千粒种子；
- (4) 形态特征简单；
- (5) 基因组小，只有 5 对染色体。