


## Product datasheet

### Anti-ELKS antibody [EPR13777] $\alpha$ b180507

Recombinant RabMAb

★★★★★ [2 Abreviews](#) [2 References](#) [3 Images](#)

#### Overview

Product name	Anti-ELKS antibody [EPR13777]
Description	Rabbit monoclonal [EPR13777] to ELKS
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, ICC/IF
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, HEK293, Jurkat and SW480 cell lysate. SW480 cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR13777
Isotype	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab180507 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	1/1000 - 1/10000. Detects a band of approximately 130 kDa (predicted molecular weight: 128 kDa).
ICC/IF		1/250.

## Target

### Function

Regulatory subunit of the IKK complex. Probably recruits IkappaBalpha/NFKBIA to the complex. May be involved in the organization of the cytomatrix at the nerve terminals active zone (CAZ) which regulates neurotransmitter release. May be involved in vesicle trafficking at the CAZ. May be involved in Rab-6 regulated endosomes to Golgi transport.

### Tissue specificity

Widely expressed. Isoform 2 and isoform 4 are abundantly expressed in brain. Isoform 1 and isoform 3 are predominantly expressed in testis and thyroid, and isoform 1 predominates in other tissues tested.

### Involvement in disease

Thyroid papillary carcinoma (TPC) [MIM:188550]: A common tumor of the thyroid that typically arises as an irregular, solid or cystic mass from otherwise normal thyroid tissue. Papillary carcinomas are malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells. Note=The gene represented in this entry may be involved in disease pathogenesis. A chromosomal aberration involving ERC1/RAB6IP2 is found in cause of thyroid papillary carcinomas. Translocation t(10;12)(q11;p13) involving RET. In vitro, isoform 1, isoform 3 and isoform 5 participating in a ERC1-RET fusion protein activate tyrosine-protein kinase activity.

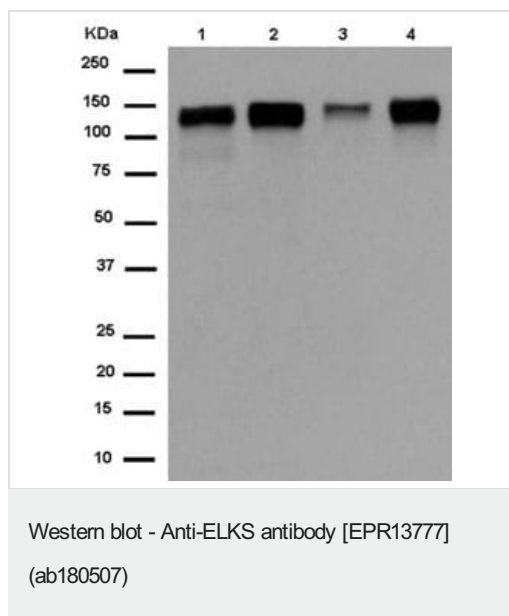
### Sequence similarities

Contains 1 FIP-RBD domain.

### Cellular localization

Cytoplasm. Membrane. Golgi apparatus membrane. In neurons, localized closed to presynaptic membrane. Recruited on Golgi membranes by RAB6A in a GTP-dependent manner.

## Images



**All lanes :** Anti-ELKS antibody [EPR13777] (ab180507) at 1/2000 dilution

**Lane 1 :** HeLa cell lysate

**Lane 2 :** HEK293 cell lysate

**Lane 3 :** Jurkat cell lysate

**Lane 4 :** SW480 cell lysate

Lysates/proteins at 20 µg per lane.

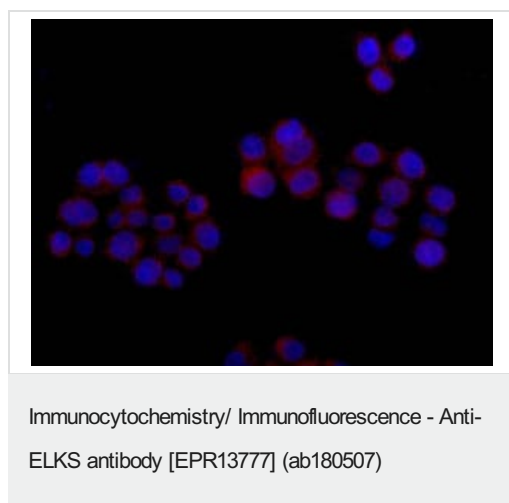
### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 128 kDa

**Observed band size:** 130 kDa

Blocking buffer: 5% NFDM/TBST



Immunofluorescence analysis of HeLa cells labeling ELKS (red) with ab180507 at 1/250 dilution. Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 555-conjugated goat anti rabbit IgG was used as a secondary antibody at 1/250 dilution. Nuclei were counterstained with DAPI (blue).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-ELKS antibody [EPR13777] (ab180507)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
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