Datasheet for ABIN2779278

# anti-ELL antibody (Middle Region)

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | ELL |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Dog |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ELL antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human ELL |
| Sequence: | TDCAQPSRPH GSPSRSKPKK KSKKHKDKER AAEDKPRAQL PDCAPATHAT |
| Predicted Reactivity: | Dog: 86%, Human: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against ELL. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

## Target Details

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| Target: | ELL |
| Alternative Name: | ELL (ELL Products) |

## Target Details

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| Background: | ELL ia an elongation factor that can increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA.<br>Alias Symbols: C19orf17, DKFZp434I1916, ELL1, Men, MEN, PPP1R68<br>Protein Interaction Partner: UBC, LOC100363176, SNF8, MCM2, Polr2e, Polr2l, Polr2h, Polr2d, Polr2a, Polr2c, Polr2i, Polr2b, Polr2j, Polr2g, Polr2f, EAF1, ICE2, AFF4, PPP1CA, ICE1, MED26, MLLT3, CDK9, TFPT, KMT2A, MLLT1, USPL1, EAF2, HNRNPU, TP53, ZHX1, SIRT2,<br>Protein Size: 621 |
| Molecular Weight: | 68 kDa |
| Gene ID: | 8178 |
| NCBI Accession: | NM_006532, NP_006523 |
| UniProt: | P55199 |

## Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 621 AA |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| 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 Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Publications

Product cited in:

Sun, Zhou, Liu, Zhang, Chen, Pan, Ma, Liu, Du, Yang, Wang: "Inhibition of breast cancer cell survival by Xanthohumol via modulation of the Notch signaling pathway in vivo and in vitro." in: **Oncology letters**, Vol. 15, Issue 1, pp. 908-916, (2018) (PubMed).

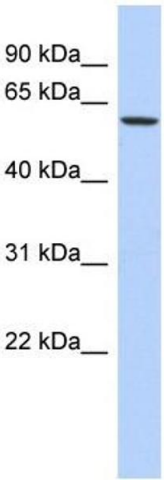
Natsumeda, Maitani, Liu, Miyahara, Kaur, Chu, Zhang, Kahlert, Eberhart: "Targeting Notch Signaling and Autophagy Increases Cytotoxicity in Glioblastoma Neurospheres." in: **Brain pathology (Zurich, Switzerland)**, Vol. 26, Issue 6, pp. 713-723, (2015) (PubMed).

Meng, Su, Liu, Wang, Wang: "Rac1 contributes to cerebral ischemia reperfusion-induced injury in mice by regulation of Notch2." in: **Neuroscience**, Vol. 306, pp. 100-14, (2015) (PubMed).

Ma, Mao, Shen, Zheng, Li, Liu, Ni: "Atractylenolide I-mediated Notch pathway inhibition attenuates gastric cancer stem cell traits." in: **Biochemical and biophysical research communications**, Vol. 450, Issue 1, pp. 353-9, (2014) (PubMed).

Asnaghi, Lin, Lim, Lim, Tripathy, Wendeborn, Merbs, Handa, Sodhi, Bar, Eberhart: "Hypoxia promotes uveal melanoma invasion through enhanced Notch and MAPK activation." in: **PLoS ONE**, Vol. 9, Issue 8, pp. e105372, (2014) (PubMed).

## Images




**Western Blotting**

**Image 1.** WB Suggested Anti-ELL Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: PANC1 cell lysate ELL is strongly supported by BioGPS gene expression data to be expressed in Human PANC1 cells