

Product datasheet

Anti-UCHL3 antibody [EP5331] ab126621

Recombinant RabMAb

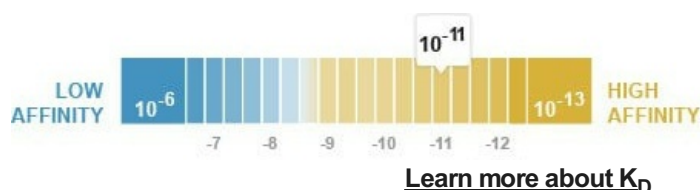
★★★★★ [1 Abreviews](#) [2 References](#) [4 Images](#)

Overview

Product name	Anti-UCHL3 antibody [EP5331]
Description	Rabbit monoclonal [EP5331] to UCHL3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human UCHL3 aa 1-100 (N terminal). The exact sequence is proprietary. Database link: P15374
Positive control	WB: K562, 293T, SH-SY5Y and Jurkat cell lysates. Mouse and rat brain tissue lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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.
Dissociation constant (K _D)	K _D = 5.27 x 10 ⁻¹¹ M



Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide
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	Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP5331
Isotype	IgG

Applications

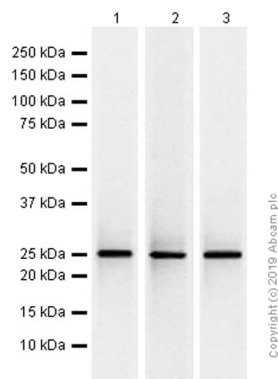
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab126621 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/10000. Detects a band of approximately 26 kDa (predicted molecular weight: 26 kDa). For unpurified use at 1/1000 - 1/10000

Target

Function	Deubiquitinating enzyme (DUB) that controls levels of cellular ubiquitin through processing of ubiquitin precursors and ubiquitinated proteins. Thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of either ubiquitin or NEDD8. Has a 10-fold preference for Arg and Lys at position P3". Deubiquitinates ENAC in apical compartments, thereby regulating apical membrane recycling. Indirectly increases the phosphorylation of IGFIR, AKT and FOXO1 and promotes insulin-signaling and insulin-induced adipogenesis. Required for stress-response retinal, skeletal muscle and germ cell maintenance. May be involved in working memory.
Tissue specificity	Highly expressed in heart, skeletal muscle, and testis.
Sequence similarities	Belongs to the peptidase C12 family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm.

Images



Western blot - Anti-UCHL3 antibody [EP5331]
(ab126621)

All lanes : Anti-UCHL3 antibody [EP5331] (ab126621) at 1/10000 dilution (Purified)

Lane 1 : K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate

Lane 2 : Mouse brain lysate

Lane 3 : Rat brain lysate

Lysates/proteins at 15 µg per lane.

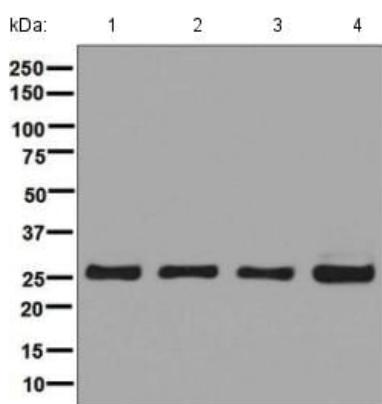
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 26 kDa

Observed band size: 26 kDa

Blocking/Diluting buffer: 5% NFDM/TBST



Western blot - Anti-UCHL3 antibody [EP5331]
(ab126621)

All lanes : Anti-UCHL3 antibody [EP5331] (ab126621) at 1/1000 dilution (unpurified)

Lane 1 : K562 cell lysate

Lane 2 : 293T cell lysate

Lane 3 : SH-SY5Y cell lysate

Lane 4 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Standard HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 26 kDa

Observed band size: 26 kDa

OL-RD Scanning - Anti-UCHL3 antibody [EP5331]
(ab126621)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-UCHL3 antibody [EP5331] (ab126621)

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

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