UCHL3 Antibody (Ubiquitin C-terminal hydrolase L3)

Cat. # AB101

Background

UCHL3 has
52% amino acid identity with UCHL1 and is uniformly expressed in all tissues, including brain[1]. The activity of UCHL3 is more than 200-fold higher than UCH-L1 when a fluorogenic ubiquitin substrate is used[2].

Target Alternate Names:	Ubiquitin carboxyl-terminal hydrolase isozyme L3, Ubiquitin thioesterase L3, UCH-L3
Target Molecular Weight:	25kDa

Product Information

Description:	Chicken, polyclonal antibody to UCHL3
Species Cross Reactivity:	Human
Source:	Chicken
Applications:	WB

Recommended Antibody Dilutions:

Western Blotting: Robust detection of 100ng of recombinant protein was possible when antibody was used at a final concentration of 5µg/mL

Storage/Purification

Polyclonal antibodies are produced by immunizing chickens with recombinant full-length protein. Antibodies are purified from egg yolks.
Storage: Supplied in phosphate buffered saline containing 10% glycerol.
Store at –20°C.
Do not aliquot the antibody.

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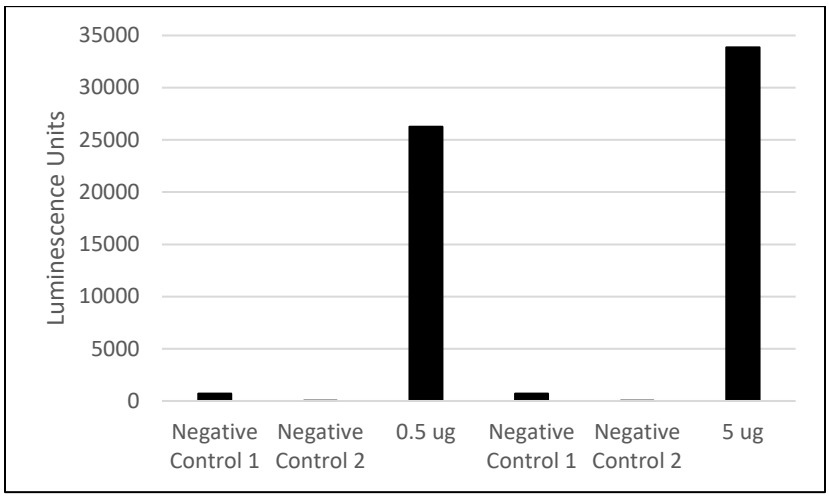
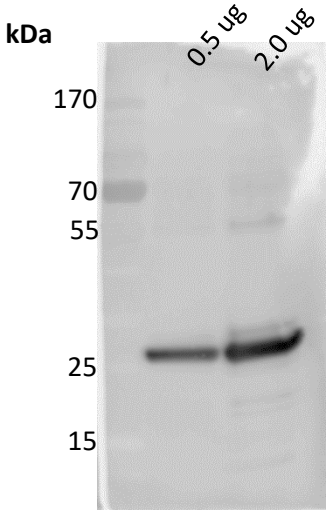
Detection of UCH-L3 by AB101 using ELISA and Western Blot



0.5 or 5 ug of UCH-L3 was coated on ELISA plate. Subsequently, unbound proteins were washed away and blocked with BSA. UCH-L3 was detected by 0.71 ug/mL of AB101 using traditional ELISA detection reagent. 2^0 Antibody: α-Chicken HRP (1:5000). Negative Control 1: No AB101 Negative Control 2: no detection reagent.



Indicated amounts of UCH-L3 were loaded on SDS-PAGE gel followed by Western Blot. The blot was detected by 3.57 ug/mL of AB101. 2^0 Antibody: α-Chicken HRP (1:5000).

References

1) Larsen C. et al. *Substrate specificity of deubiquitinating enzymes: ubiquitin C-terminal hydrolases.* Biochemistry 1998. 37: p3358–3368.

2) Mayer, A. N. and Wilkinson, K. D. *Detection, resolution, and nomenclature of multiple ubiquitin carboxyl-terminal esterases from bovine calf thymus.* Biochemistry 1989. 28: p166-172.

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