



[Go to Product page](#)

Datasheet for ABIN387966

anti-ELP3/KAT9 antibody (N-Term)

2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	ELP3/KAT9 (ELP3)
Binding Specificity:	AA 9-44, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELP3/KAT9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ELP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-44 amino acids from the N-terminal region of human ELP3.
Clone:	RB14284
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ELP3/KAT9 (ELP3)
Alternative Name:	ELP3 (ELP3 Products)

Target Details

Background: Elongator complex protein 3 (ELP3) is a catalytic histone acetyltransferase subunit of the RNA polymerase II elongator complex, which is a 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. It may also have a methyltransferase activity.

Molecular Weight: 62259

Gene ID: 55140

NCBI Accession: [NP_060561](#)

UniProt: [Q9H9T3](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

Product cited in: Schwab, Sison, Meade, Broniowska, Corbett, Ebert: "Decreased Sirtuin Deacetylase Activity in LRRK2 G2019S iPSC-Derived Dopaminergic Neurons." in: **Stem cell reports**, Vol. 9, Issue 6, pp. 1839-1852, (2018) ([PubMed](#)).

Takumida, Takumida, Katagiri, Anniko: "Localization of sirtuins (SIRT1-7) in the aged mouse

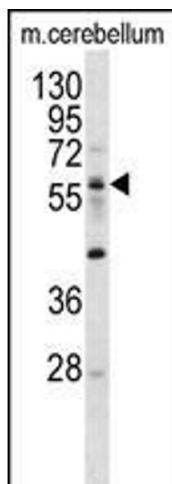
inner ear." in: **Acta oto-laryngologica**, pp. 1-12, (2015) ([PubMed](#)).

He, Hu, Shi, Weidert, Lu, Xu, Huang, Kelley, Xie: "Activation of the aryl hydrocarbon receptor sensitizes mice to nonalcoholic steatohepatitis by deactivating mitochondrial sirtuin deacetylase Sirt3." in: **Molecular and cellular biology**, Vol. 33, Issue 10, pp. 2047-55, (2013) ([PubMed](#)).

Kamarajan, Alhazzazi, Danciu, Dsilva, Verdin, Kapila: "Receptor-interacting protein (RIP) and Sirtuin-3 (SIRT3) are on opposite sides of anoikis and tumorigenesis." in: **Cancer**, Vol. 118, Issue 23, pp. 5800-10, (2012) ([PubMed](#)).

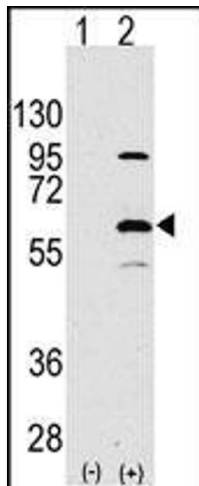
Parker, Vazquez-Manrique, Tourette, Farina, Offner, Mukhopadhyay, Orfila, Darbois, Menet, Tissenbaum, Neri: "Integration of β -catenin, sirtuin, and FOXO signaling protects from mutant huntingtin toxicity." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 32, Issue 36, pp. 12630-40, (2012) ([PubMed](#)).

Images



Western Blotting

Image 1. ELP3 Antibody (N-term) (ABIN387966 and ABIN2844714) western blot analysis in mouse cerebellum tissue lysates (35 μ g/lane). This demonstrates the ELP3 antibody detected the ELP3 protein (arrow).



Western Blotting

Image 2. Western blot analysis of ELP3 (arrow) using rabbit polyclonal ELP3 Antibody (N-term) (ABIN387966 and ABIN2844714). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the ELP3 gene (Lane 2) (Origene Technologies).