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Datasheet for ABIN7151580
anti-ELP3/KAT9 antibody (AA 1-85)

4 Images

Overview

Quantity:	100 µg
Target:	ELP3/KAT9 (ELP3)
Binding Specificity:	AA 1-85
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELP3/KAT9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Elongator complex protein 3 protein (1-85AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ELP3/KAT9 (ELP3)
Alternative Name:	ELP3 (ELP3 Products)
Background:	Background: Catalytic histone acetyltransferase subunit of the RNA polymerase II elongator

Target Details

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. Involved in acetylation of alpha-tubulin (PubMed:19185337). May also have a methyltransferase activity. Involved in cell migration. Involved in neurogenesis. Regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation. Aliases: DKFZp761L098 antibody, Elongation protein 3 homolog (*S. cerevisiae*) antibody, Elongation protein 3 homolog antibody, ELONGATION PROTEIN 3, *S. CEREVISIAE*, HOMOLOG OF antibody, elongator acetyltransferase complex subunit 3 antibody, Elongator complex protein 3 antibody, elp3 antibody, ELP3_HUMAN antibody, FLJ10422 antibody, hELP3 antibody, Hypothetical protein DKFZp761L098 antibody, Kat9 antibody

UniProt: [Q9H9T3](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

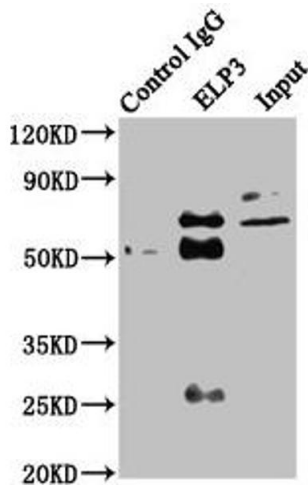
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

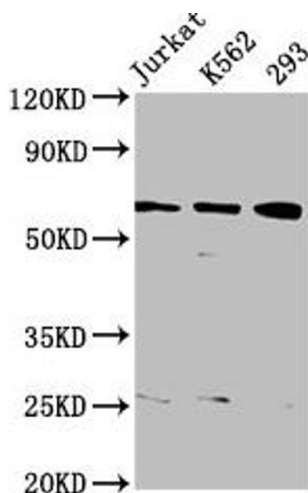
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



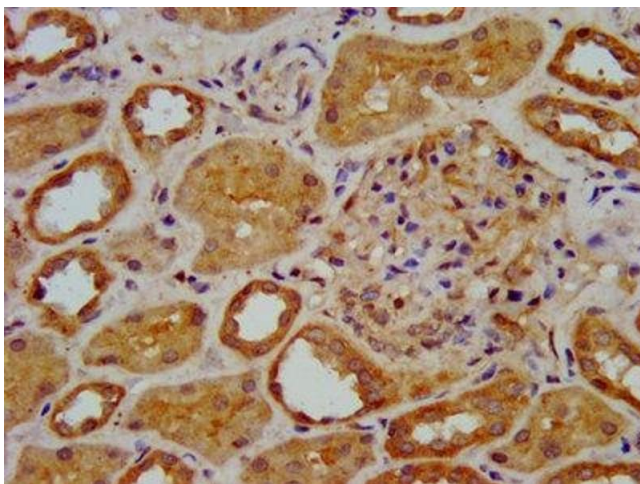
Western Blotting

Image 1. Immunoprecipitating ELP3 in HEK293 whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7151580 in HEK293 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7151580 (6 µg) + HEK293 whole cell lysate (500 µg) Lane 3: HEK293 whole cell lysate (20 µg)



Western Blotting

Image 2. Western Blot Positive WB detected in: Jurkat whole cell lysate, K562 whole cell lysate, 293 whole cell lysate All lanes: ELP3 antibody at 3.82 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 63, 61, 50, 53 kDa Observed band size: 63 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7151580 diluted at 1:400 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7151580.