

Datasheet for ABIN5533930
anti-CDKL5 antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	CDKL5
Binding Specificity:	AA 982-1012, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDKL5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CDKL5 (STK9) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 982-1012 amino acids from the C-terminal region of human CDKL5 (STK9).
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	CDKL5
Alternative Name:	CDKL5 (CDKL5 Products)
Background:	Defects in STK9, a dual-specificity serine/threonine kinase, are a cause of atypical Rett

Target Details

syndrome. Rett syndrome is an X-linked dominant disease. It is a progressive neurologic developmental disorder and one of the most common causes of mental retardation in females. Patients appear to develop normally until 6 to 18 months of age, then gradually lose speech and purposeful hand movements and develop microcephaly, seizures, autism, ataxia, intermittent hyperventilation, and stereotypic hand movements. After initial regression, the condition stabilizes and patients usually survive into adulthood. Rett syndrome due to CDKL5-associated mutations is characterized by a severe early-onset phenotype and atypical features such as infantile spasms.

Molecular Weight: 116 kDa

Gene ID: 6792

UniProt: [O76039](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2 mg/mL

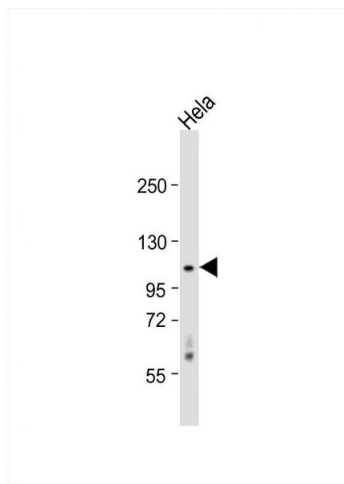
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

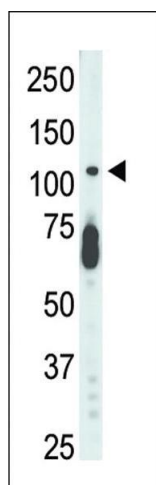
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



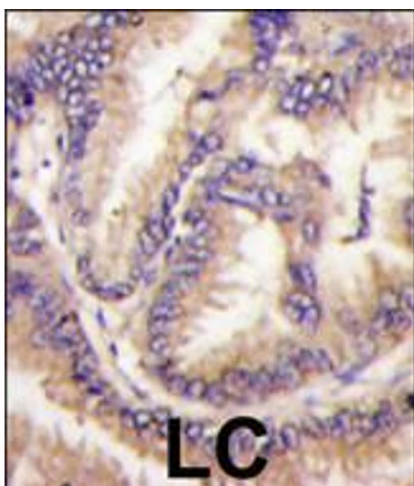
Western Blotting

Image 1. Western Blot at 1:1000 dilution + Hela whole cell lysate Lysates/proteins at 20 ug per lane.



Western Blotting

Image 2. Antibody is used in Western blot to detect STK9 in mouse lung tissue lysate.



Immunohistochemistry

Image 3. Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with STK9 Antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.