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Datasheet for ABIN391362
anti-CDKL5 antibody (C-Term)

2 Images

Overview

Quantity:	400 µL
Target:	CDKL5
Binding Specificity:	AA 982-1012, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
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).
Clone:	RB3556
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CDKL5
Alternative Name:	CDKL5 (STK9) (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.

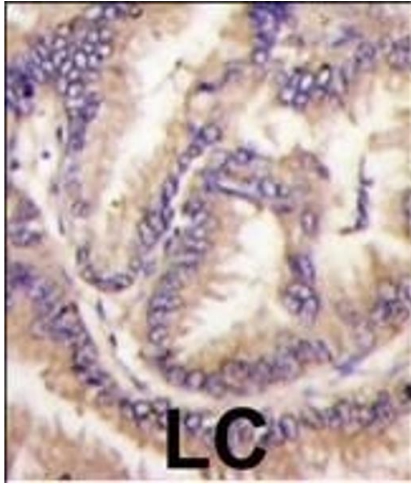
Molecular Weight:	107519
Gene ID:	6792
NCBI Accession:	NP_001032420 , NP_003150
UniProt:	O76039
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

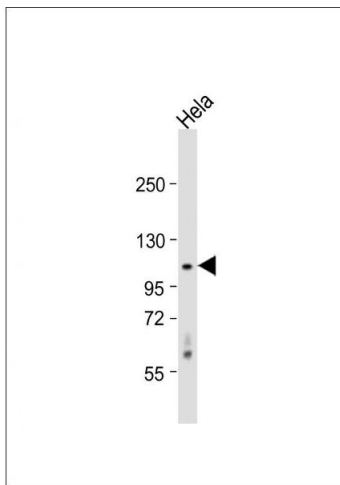
Handling

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



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with STK9 Antibody (C-term) (ABIN391362 and ABIN2841381), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Anti-STK9 Antibody at 1:1000 dilution + Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 116 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.