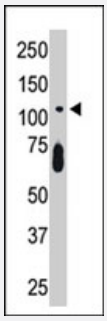
CDKL5 polyclonal antibody

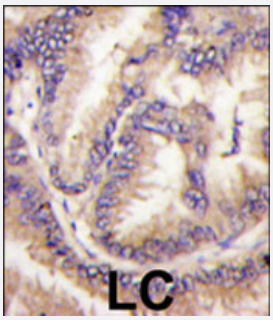
Catalog # PAB2814 Size 400 uL

Applications



Western Blot (Tissue lysate)

The CDKL5 polyclonal antibody (Cat # PAB2814) is used in Western blot to detect STK9 in mouse lung tissue lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with CDKL5 polyclonal antibody (Cat # PAB2814) , 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CDKL5.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CDKL5.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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Gene Info — CDKL5

Entrez GeneID	6792
Protein Accession#	NP_003150;O76039
Gene Name	CDKL5
Gene Alias	ISSX, STK9
Gene Description	cyclin-dependent kinase-like 5
Omim ID	300203 308350 312750
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of Ser/Thr protein kinase family and encodes a phosphorylated protein wit h protein kinase activity. Mutations in this gene have been associated with X-linked infantile spas m syndrome (ISSX), also known as X-linked West syndrome, and Rett syndrome (RTT). Alternate transcriptional splice variants have been characterized. [provided by RefSeq
Other Designations	OTTHUMP00000023002|OTTHUMP00000023003|serine/threonine kinase 9

Publication Reference

- Disruption of the serine/threonine kinase 9 gene causes severe X-linked infantile spasms and mental retardation.

  Kalscheuer VM, Tao J, Donnelly A, Hollway G, Schwinger E, Kubart S, Menzel C, Hoeltzenbein M, Tommerup N, Eyre H, Harbord M, Haan E, Sutherland GR, Ropers HH, Gecz J.

  American Journal of Human Genetics 2003 Jun; 72(6):1401.

- Identification and characterization of a novel serine-threonine kinase gene from the Xp22 region.

  Montini E, Andolfi G, Caruso A, Buchner G, Walpole SM, Mariani M, Consalez G, Trump D, Ballabio A, Franco B.

  Genomics 1998 Aug; 51(3):427.

Disease

- Chromosome Deletion
- Developmental Disabilities
- Epilepsy
- Genetic Predisposition to Disease
- Mental Retardation
- Rett syndrome
- Seizures
- Spasms