

Rabbit anti-Human, Mouse CDKL5 Polyclonal Antibody | anti-CDKL5 antibody

CDKL5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327667	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

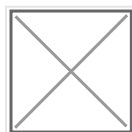
PRODUCT SYNONYMS

CDKL5; Polyclonal Antibody; CDKL5 Antibody; Cdkl5; CDKL5_HUMAN; Cyclin dependent kinase 5 transcript; Cyclin-dependent kinase-like 5; EIEE2; ISSX; Serine/threonine kinase 9; Serine/threonine-protein kinase 9; Stk9; anti-CDKL5 antibody

PRODUCT SPECIFICATIONS

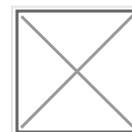
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CDKL5 antibody detects endogenous levels of total CDKL5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1030
Applicable Applications for anti-CDKL5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CDKL5
Subcellular Location	Nucleus.
Tissue Specificity	Expressed in brain, lung, kidney, prostate, ovary, placenta, pancreas and testis.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327667 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of CDKL5 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CDKL5 antibody	Function: Mediates phosphorylation of MECP2 (PubMed:15917271, PubMed:16935860). May regulate ciliogenesis (PubMed:29420175). Subunit Structure: Interacts with MECP2. Post-translational Modifications: Autophosphorylated. Similarity: Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83367069
NCBI GeneID	6792
NCBI Accession #	NP_001032420.1
NCBI GenBank Nucleotide #	NM_001037343.1
UniProt Accession #	O76039; Q14198; Q5H985; Q8IYC7; Q9UJL6; G9B9X4
Molecular Weight	Observed: 116 kDa Predicted: 116 kDa
NCBI Official Full Name	cyclin-dependent kinase-like 5 isoform 1
NCBI Official Synonym Full Names	cyclin dependent kinase like 5
NCBI Official Symbol	CDKL5
NCBI Official Synonym Symbols	ISSX; STK9; EIEE2; CFAP247
NCBI Protein Information	cyclin-dependent kinase-like 5
UniProt Protein Name	Cyclin-dependent kinase-like 5
UniProt Gene Name	CDKL5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdkl5-antibody-immunohistochemistry-western-blot-elisa/327667>