

Rabbit anti-Human, Rat CDKL4 Polyclonal Antibody | anti-CDKL4 antibody

CDKL4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321181	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CDKL4; Polyclonal Antibody; CDKL4 Antibody; CDKL4_HUMAN; Cyclin dependent kinase like 4; Cyclin-dependent kinase-like 4; EC 2.7.11.22; OTTHUMP00000164944; anti-CDKL4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CDKL4 antibody detects endogenous levels of CDKL4
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	315
Applicable Applications for anti-CDKL4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CDKL4
Predicted Cross Reactivity	Bovine, Sheep, Rabbit, Dog
Similarity	Bovine (100%), Sheep (100%), Rabbit (100%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from rat brain, using CDKL4 Antibody.



IF (Immunofluorescence)

AAA321181 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



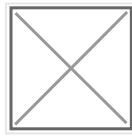
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IHC (Immunohistochemistry)

AAA321181 at 1/100 staining human lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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 on HepG2 cell lysate using CDKL4 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CDKL4 antibody

Description: CDKL4 Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily. Note: This description may include information from UniProtKB.
Function: ATP + a protein = ADP + a phosphoprotein.
Similarity: The [NKR]KIAxRE motif seems to be a cyclin-binding region. Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57222269
NCBI GeneID	344387
NCBI Accession #	NP_001009565.1
NCBI GenBank Nucleotide #	NM_001009565.2
UniProt Accession #	Q5MAI5; Q2NME9
Molecular Weight	Observed: 36 kDa Predicted: 44 kDa
NCBI Official Full Name	cyclin-dependent kinase-like 4 isoform 2
NCBI Official Synonym Full Names	cyclin dependent kinase like 4
NCBI Official Symbol	CDKL4
NCBI Protein Information	cyclin-dependent kinase-like 4
UniProt Protein Name	Cyclin-dependent kinase-like 4
UniProt Gene Name	CDKL4

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/cdkl4-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321181>