



C2D1A Polyclonal Antibody

Catalog No	YP-Ab-06682
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	CC2D1A AKI1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	C2D1A Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FREUD 1;AKI1;Akt kinase-interacting protein 1;Coiled-coil and C2 domain-containing protein 1A;Five prime repressor element under dual repression-binding protein 1;C2D1A;CC2D1A AKI1;Coiled-coil and C2 domain-containing protein 1A (Akt kinase-interacting protein 1) (Five prime repressor element under dual repression-binding protein 1) (FRE under dual repression-binding protein 1)
Observed Band	130 kDa, 104 kDa
Calculated Molecular Weight	951 aa, 104 kDa
Cell Pathway	Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome .
Tissue Specificity	Brain,Epithelium,Kidney,Lung fibroblast,Ovary,
Function	disease:Defects in CC2D1A are the cause of mental retardation autosomal recessive type 3 (MRT3) [MIM:608443]. Patients display severe mental retardation and psychomotor development delay in early childhood. Non-syndromic mental retardation patients do not manifest other clinical signs., domain:The C2 domain is required for the repression.,function:Transcription factor that binds specifically to the FRE (five repressor element) and represses HTR1A gene transcription in neuronal cells. The combination of calcium and



ATP specifically inactivates the binding with FRE. May play a role in the altered regulation of HTR1A associated with anxiety and major depression. Mediates HDAC-independent repression of HTR1A promoter in neuronal cell., similarity:Belongs to the CC2D1 family.,similarity:Contains 1 C2 domain.,

Background

coiled-coil and C2 domain containing 1A(CC2D1A) Homo sapiens This gene encodes a transcriptional repressor that binds to a conserved 14-bp 5'-repressor element and regulates expression of the 5-hydroxytryptamine (serotonin) receptor 1A gene in neuronal cells. The DNA binding and transcriptional repressor activities of the protein are inhibited by calcium. A mutation in this gene results in nonsyndromic mental retardation-3.[provided by RefSeq, Oct 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images