



# C2D1A Monoclonal Antibody

Catalog No	YP-mAb-06682
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CC2D1A AKI1
Protein Name	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)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	C2D1A Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	104kD
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