Best Tools for immunology Research

CUL-4B Polyclonal Antibody

Catalog No :	YT5188
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	CUL4B
Fields :	>>Nucleotide excision repair;>>Ubiquitin mediated proteolysis;>>Human immunodeficiency virus 1 infection
Gene Name :	CUL4B
Protein Name :	Cullin-4B
Human Gene Id :	8450
Human Swiss Prot No :	Q13620
Mouse Gene Id :	72584
Mouse Swiss Prot No :	A2A432
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human CUL4B. AA range:711-760
Specificity :	CUL-4B Polyclonal Antibody detects endogenous levels of CUL-4B protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 110kD

Cell Pathway : Nucleotide excision repair;Ubiquitin mediated proteolysis;

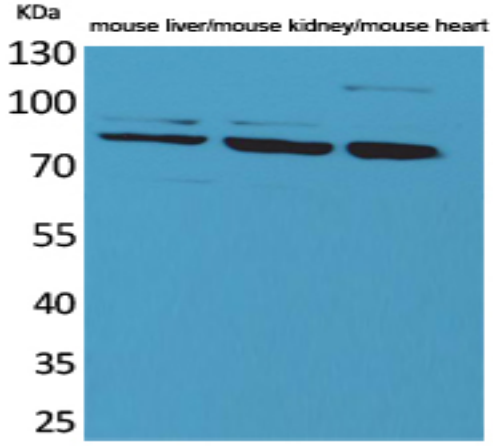
Background : This gene is a member of the cullin family. The encoded protein forms a complex that functions as an E3 ubiquitin ligase and catalyzes the polyubiquitination of specific protein substrates in the cell. The protein interacts with a ring finger protein, and is required for the proteolysis of several regulators of DNA replication including chromatin licensing and DNA replication factor 1 and cyclin E. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

Function : disease:Defects in CUL4B are the cause of Cabezas X-linked mental retardation syndrome (MRXC) [MIM:300354]; also called X-linked mental retardation with short stature small testes muscle wasting and tremor. MRXC patients show delayed puberty, hypogonadism, relative macrocephaly, moderate short stature, central obesity, unprovoked aggressive outbursts, fine intention tremor, pes cavus, and abnormalities of the toes.,disease:Defects in CUL4B are the cause of X-linked mental retardation-hypotonic facies syndrome type 2 (MRXHF2) [MIM:300639]; also called Smith-Fineman-Myers syndrome type 2 or SFM2. The distinguishing manifestations of MRXHF2 are relative microcephaly, short stature, hypertelorism, macrostomia, patulous lips, difficulty in speech, micrognathia, short thumbs and little fingers with adduction, hypotonia at age less than 10 years, and later hypertonia, restlessness, and seizures

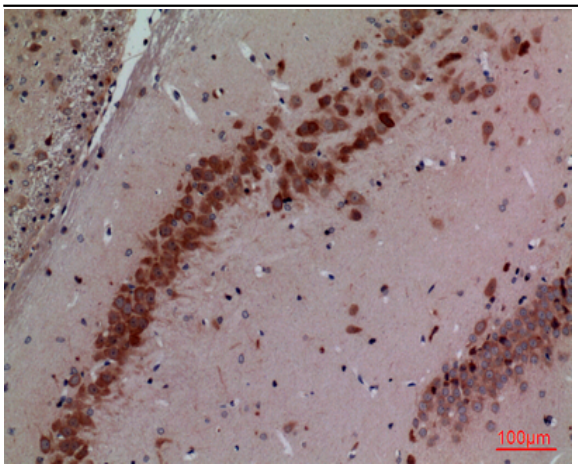
Subcellular Location : Nucleus .

Expression : Brain,Fetal liver,Testis,

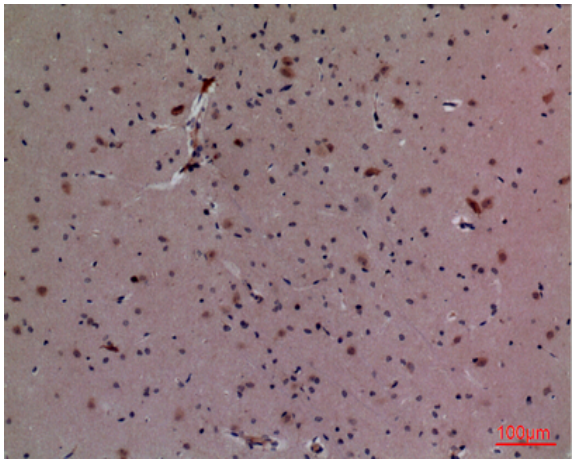
Products Images



Western Blot analysis of mouse liver, mouse kidney, mouse heart cells using CUL-4B Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100