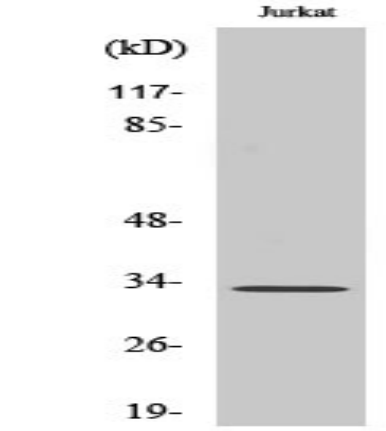
Best Tools for immunology Research

MBD3 Polyclonal Antibody

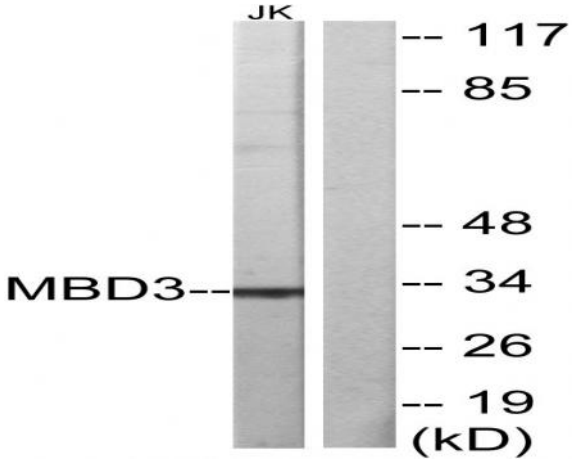
Catalog No :	YT2671
Reactivity :	Human;Mouse
Applications :	WB;ELISA;IHC
Target :	MBD3
Gene Name :	MBD3
Protein Name :	Methyl-CpG-binding domain protein 3
Human Gene Id :	53615
Human Swiss Prot No :	O95983
Mouse Gene Id :	17192
Mouse Swiss Prot No :	Q9Z2D8
Immunogen :	The antiserum was produced against synthesized peptide derived from human MBD3. AA range:221-270
Specificity :	MBD3 Polyclonal Antibody detects endogenous levels of MBD3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
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 :	33kD
Background :	DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. This gene belongs to a family of nuclear proteins which are characterized by the presence of a methyl-CpG binding domain (MBD). The encoded protein is a subunit of the NuRD, a multisubunit complex containing nucleosome remodeling and histone deacetylase activities. Unlike the other family members, the encoded protein is not capable of binding to methylated DNA. The protein mediates the association of metastasis-associated protein 2 with the core histone deacetylase complex. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013],
Function :	function:Does not bind DNA by itself. Recruits histone deacetylases and DNA methyltransferases. Acts as transcriptional repressor and plays a role in gene silencing.,similarity:Contains 1 MBD (methyl-CpG-binding) domain.,subcellular location:Nuclear, in discrete foci.,subunit:Heterodimer with MBD2. Part of the NuRD and the MeCP1 complex. Binds HDAC1, MTA2, DNMT1, p66-alpha and p66-beta.,
Subcellular Location :	Nucleus. Chromosome. Nuclear, in discrete foci. Detected on chromatin, at promoter regions of active genes.
Expression :	Brain,Cervix,Eye,Muscle,Uterus,
Sort :	9430
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

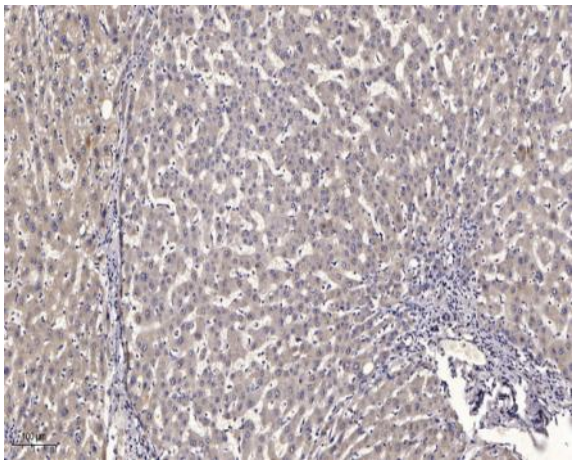
Products Images



Western Blot analysis of various cells using MBD3 Polyclonal Antibody



Western blot analysis of lysates from Jurkat cells, using MBD3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).