

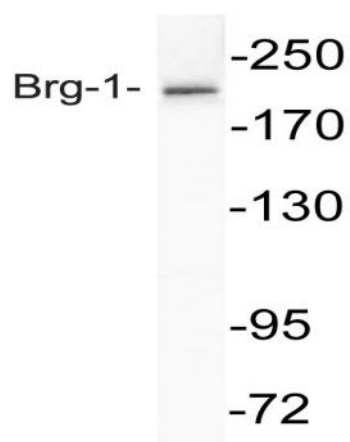
Brg-1 Polyclonal Antibody

Catalog No :	YT0524
Reactivity :	Human;Mouse;Rat
Applications :	WB;IF;ELISA
Target :	BRG1
Fields :	>>Thermogenesis;>>Hepatocellular carcinoma
Gene Name :	SMARCA4
Protein Name :	Transcription activator BRG1
Human Gene Id :	6597
Human Swiss Prot No :	P51532
Mouse Gene Id :	20586
Mouse Swiss Prot No :	Q3TKT4
Rat Swiss Prot No :	Q8K1P7
Immunogen :	The antiserum was produced against synthesized peptide derived from human Brg-1. AA range:1565-1614
Specificity :	Brg-1 Polyclonal Antibody detects endogenous levels of Brg-1 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; IF ICC 1:100-500;ELISA 1:5000-20000
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 :	200kD
Background :	<p>The protein encoded by this gene is a member of the SWI/SNF family of proteins and is similar to the brahma protein of Drosophila. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin. In addition, this protein can bind BRCA1, as well as regulate the expression of the tumorigenic protein CD44. Mutations in this gene cause rhabdoid tumor predisposition syndrome type 2. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012],</p>
Function :	<p>function:Transcriptional coactivator cooperating with nuclear hormone receptors to potentiate transcriptional activation. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SNF2/RAD54 helicase family.,similarity:Contains 1 bromo domain.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,similarity:Contains 1 HSA domain.,subunit:Interacts with NR3C1, PGR, SMARD1, TOPBP1 and ZMIM2/ZIMP7. Component of the BAF complex, which includes at least actin (ACTB), ARID1A, ARID1B/BAF250, SMARCA2, SMARCA4/BRG1, ACTL6A/BAF53, ACTL6B/BAF53B, SMARCE1/BAF57, SMARC</p>
Subcellular Location :	Nucleus . Colocalizes with long non-coding RNA Evf2 in nuclear RNA clouds. .
Expression :	Colocalizes with ZEB1 in E-cadherin-negative cells from established lines, and stroma of normal colon as well as in de-differentiated epithelial cells at the invasion front of colorectal carcinomas (at protein level).
Tag :	orthogonal,hot
Sort :	2864
No4 :	1
Host :	Rabbit

Modifications : Unmodified

Products Images



Western blot analysis of lysate from K562 cells, using Brg-1 antibody.