

Anti-BRG1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

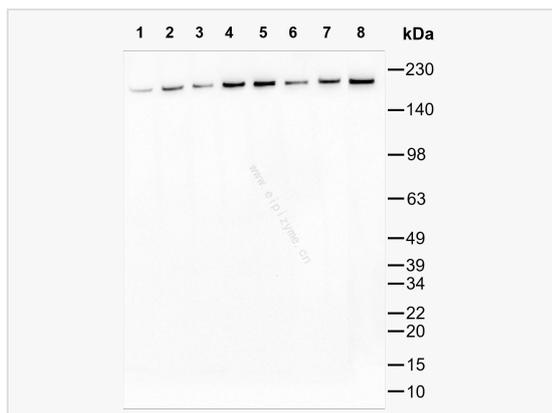
Catalog # M012063

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	67M06K27
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human BRG1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-BRG1 Mouse mAb [67M06K27] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	BAF190; BAF190A; BRG1; CSS4; MRD16; OTSC12; RTPS2; SNF2; SNF2-beta; SNF2L4; SNF2LB; SWI2; hSNF2b; HP1-BP72; SNF2beta; SW1/SNF; b2b508.1Clo; b2b692Clo; brg-1; SMCA4_HUMAN; SMARCA4; BRG1-associated factor 190A (BAF190A); Mitotic growth and transcription activator; Protein BRG-1; Protein brahma homolog 1; Transcription activator BRG1; 3.6.4.-; SNF2B; SMCA4_MOUSE; SMCA4_RAT.
Calculated MW	Calculated MW: 185 kDa; Observed MW: 185 kDa
Uniprot ID	P51532
Gene ID	6597
Background	The protein encoded by this gene is a member of the SWI/SNF family of proteins and is similar to the brahma protein of <i>Drosophila</i> . 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]
Cellular Location	Nucleus Colocalizes with long non-coding RNA Evf2 in nuclear RNA clouds (By similarity). Localizes to sites of DNA damage (PubMed:25593309).
Tissue Location	Colocalizes with ZEB1 in E-cadherin-negative cells from established lines, and stroma of normal colon as well as in de-



Western Blot - Anti-BRG1 Mouse mAb [67M06K27]

All lanes: M012063 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 5: 293T (Human embryonic kidney cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 8: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at

1:5,000 dilution

Predicted band size: 185 kDa

Observed band size: 185 kDa

Developed using the ECL technique (Cat. No. SQ201).