

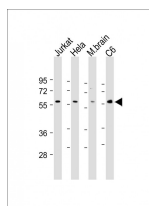
bsm-51473M**[Primary Antibody]****AKT2 Mouse mAb****Bioss**
ANTIBODIES

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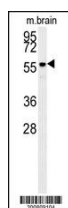
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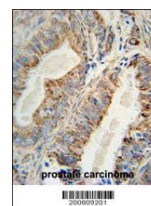
400-901-9800

DATASHEET**Host:** Mouse**Clonality:** Monoclonal**GeneID:** 208**Target:** AKT2**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** This gene is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. The gene was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. The encoded protein is a general protein kinase capable of phosphorylating several known proteins. [provided by RefSeq, Jul 2008]**Isotype:** IgG1**CloneNo.:** AK02**SWISS:** P31751**Applications:** **WB** (1:500-1000)
IHC-P (1:50-100)
IHC-F (1:400-800)
IF (1:10-50)
ICC/IF (1:50)**Reactivity:** Human, Mouse
(predicted: Rat)**Predicted MW.:** 56 kDa**Subcellular Location:** Cell membrane ,Cytoplasm
Nucleus**VALIDATION IMAGES**

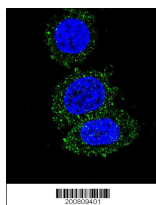
Sample: Lane 1: Jurkat cell lysates Lane 2: HeLa cell lysates Lane 3: Mouse brain tissue lysates Lane 4: C6 cell lysates Primary: Anti-AKT2 (bsm-51473M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD



Sample: Lane 1: Mouse brain tissue lysates Primary: Anti-AKT2 (bsm-51473M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD



Paraformaldehyde-fixed, paraffin embedded (human prostate carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (AKT2) Monoclonal Antibody, Unconjugated (bsm-51473M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (AKT2) monoclonal Antibody, Unconjugated (bsm-51473M) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

— SELECTED CITATIONS —

- **[IF=4.171]** Jingjing Yu. et al. Immuno-colocalization of IRF5 with TRAF6 and AKT2 in Human Apical Periodontitis. J Endodont. 2022 Mar;; IF ;Other. 35314291