bsm-60645R **[Primary Antibody]**

phospho-AKT (Thr308) Recombinant Rabbit mAb

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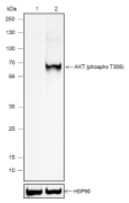
DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: R3F4
GeneID: 208
SWISS: P31751
Target: phospho-AKT (Thr308)
Purification: affinity purified by Protein A
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 phophorylating several known proteins. [provided by RefSeq, Jul 2008]

Applications: **WB** (1:200-1000)
Reactivity: Mouse
Predicted MW.: 56 kDa
Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1:1000 Primary Ab incubation condition: 2 hours at room temperature Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: 1: NIH/3T3, 2: NIH/3T3 + PDGF (100 ng/mL, 15 min) Protein loading quantity: 20 ug Exposure time: 60 s Predicted MW: 56 kDa Observed MW: 60 kDa

SELECTED CITATIONS

- **[IF=6.8]** Bingjie Ge. et al. Integrated network toxicology, molecular docking, and in vivo experiments to elucidate molecular mechanism of aflatoxin B1 hepatotoxicity. ECOTOX ENVIRON SAFE. 2024 Apr;275:116278 WB ;Mouse. 38564860
- **[IF=4.8]** Wang Yunyun. et al. Iridoids rich fraction from Valeriana jatamansi Jones promotes axonal regeneration and motor functional recovery after spinal cord injury through activation of the PI3K/Akt signaling pathway. FRONT MOL NEUROSCI. 2024 May;17: WB ;Rat. 38756705