

bsm-52270R**[Primary Antibody]****BioSS**
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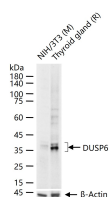
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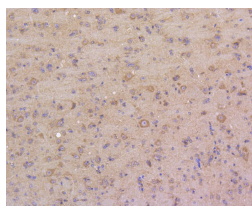
400-901-9800

DUSP6 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) Flow-Cyt (1:50-100) ICC/IF (1:50-200) Reactivity: Human, Mouse, Rat Predicted MW.: 42 kDa Subcellular Location: Cytoplasm
Clonality: Recombinant	CloneNo.: 9C3	
GeneID: 1848	SWISS: Q16828	
Target: DUSP6		
Immunogen: A synthesized peptide derived from human DUSP6: 351-381.		
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: The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with DUSP6 monoclonal antibody, unconjugated (bsm-52270R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (DUSP6) Monoclonal Antibody, Unconjugated (bsm-52270R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=4.4]** Lichi Xu. et al. Hippocampal cannabinoid type 2 receptor alleviates chronic neuropathic pain-induced cognitive impairment via microglial DUSP6 pathway in rats. FASEB J. 2024 Nov;38(21):e70152 IF, WB ;Rat. 39498753

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