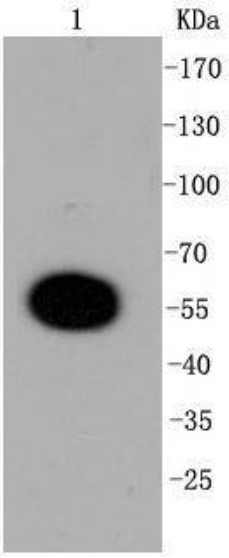
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

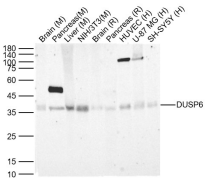
DUSP6 Recombinant Rabbit mAb

Catalog Number:	bsm-52270R
Target Protein:	DUSP6
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Recombinant
Clone No.:	9C3
Isotype:	IgG
Applications:	WB (1:1000-5000), IHC-P (1:50-200), IHC-F (1:50-200), IF (1:100-500), Flow-Cyt (1:50), ICC/IF (1:50)
Reactivity:	Human, Mouse, Rat
Predicted MW:	42 kDa
Entrez Gene:	1848
Swiss Prot:	Q16828
Purification:	affinity purified by Protein A
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]

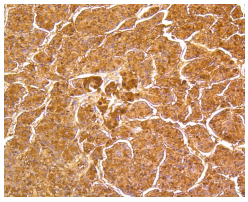
VALIDATION IMAGES



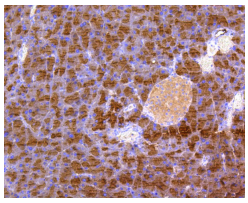
Sample: Lane 1: mouse pancreas tissue lysates Primary: Anti-DUSP6 (bsm-52270R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 42 kD Observed band size: 55 kD



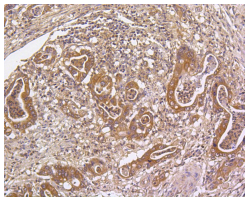
Sample: Lane 1: Mouse Brain Lysates Lane 2: Mouse Pancrease Lysates Lane 3: Mouse Liver Lysates Lane 4: Mouse NIH/3T3 cell Lysates Lane 5: Rat Brain Lysates Lane 6: Rat Pancrease Lysates Lane 7: Human HUVEC cell Lysates Lane 8: Human U-87 MG cell Lysates Lane 9: Human SH-SY5Y cell Lysates Primary: Anti-DUSP6 (bsm-52270R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42kDa Observed band size: 42kDa



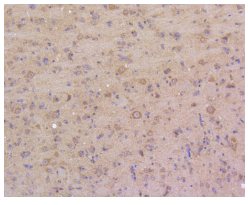
Paraformaldehyde-fixed, paraffin embedded (human pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DUSP6) Monoclonal Antibody, Unconjugated (bsm-52270R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); 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) instructionsand DAB staining.



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



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) instructionsand DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[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