Product Datasheet

MKP-3/DUSP6 Antibody (3G2) - Azide and BSA Free
H00001848-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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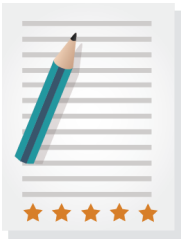
Updated 2/21/2025 v.20.1



H00001848-M01

MKP-3/DUSP6 Antibody (3G2) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3G2
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

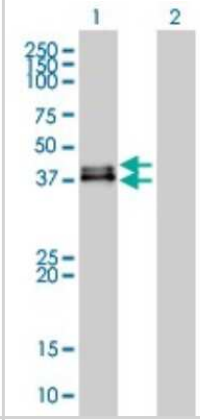
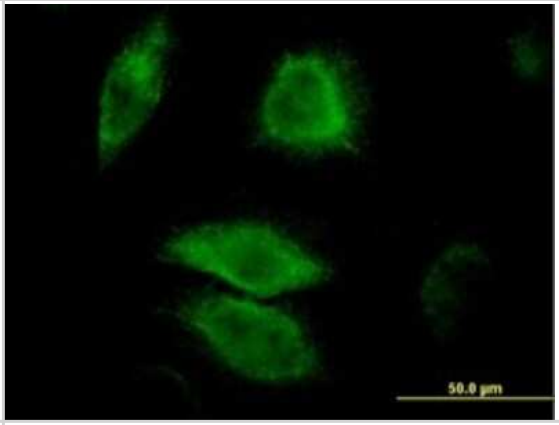
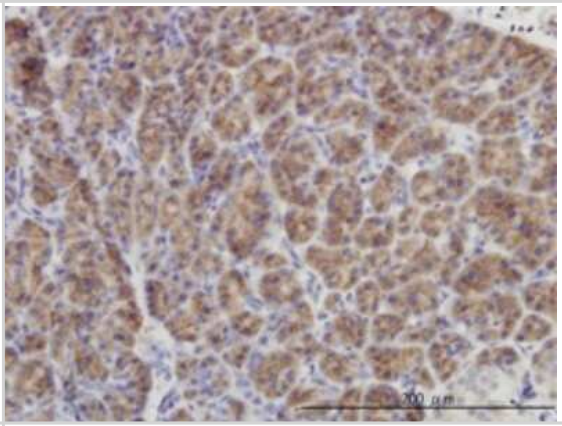
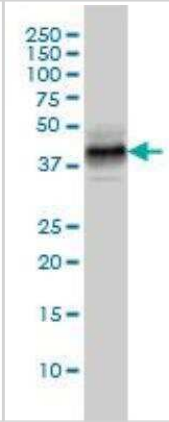
Product Description

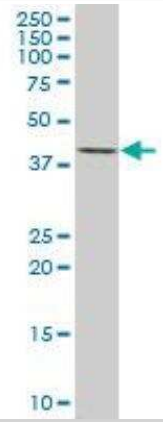
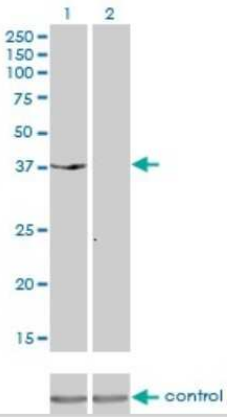
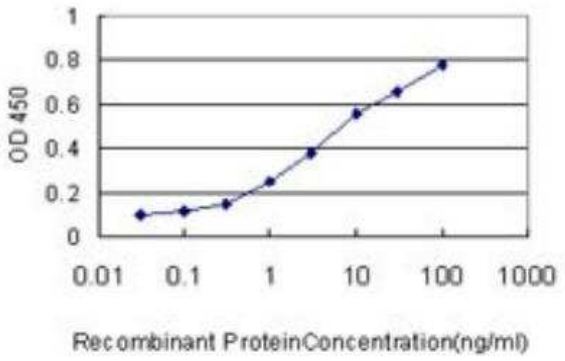
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	1848
Gene Symbol	DUSP6
Species	Human
Specificity/Sensitivity	DUSP6 - dual specificity phosphatase 6
Immunogen	DUSP6 (AAH03143, 1 a.a. ~ 381 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MIDTLRPVPFASEMAISKTVAWLNEQLELGNERLLLMDCRPQELYESSHIESAIN VAIPGIMLRRLQKGNLPVRALFTRGEDRDRFTRRCGTDTVVLYDESSSDWNEN TGGESLLGLLLKKLKDEGCRAFYLEGGFSKFQAEFSLHCETNLDGSCSSSSPP LPVLGLGGLRISSDSSSDIESDLDRDPNSATDSDGSPLSNSQPSFPVEILPFLYL GCAKDSTNLDVLEEFGIKYILNVTPNLPNLFENAGEFKYKQIPISDHWSQNLSQF FPEAISFIDEARGKNCGVLVHCLAGISRSVTVTVAYLMQKLNLSMNDAYDIVKM KKSNISPNFNFMGQLLDFERTLGLSSPCDNRVPAQQLYFTTPSNQNVYQVDSL QST
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details

Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Knockdown Validated
Application Notes	Antibody reactivity against recominant protein, tissue lysate, transfected lysate and cell lysate for WB. It has been used for IF, IHC-P, RNAi Validation and ELISA.

Images

Western Blot: MKP-3/DUSP6 Antibody (3G2) [H00001848-M01] - Analysis of DUSP6 expression in transfected 293T cell line by DUSP6 monoclonal antibody (M01), clone 3G2.Lane 1: DUSP6 transfected lysate(42 KDa).Lane 2: Non-transfected lysate.	
Immunocytochemistry/Immunofluorescence: MKP-3/DUSP6 Antibody (3G2) [H00001848-M01] - Analysis of monoclonal antibody to DUSP6 on HeLa cell. Antibody concentration 10 ug/ml.	
Immunohistochemistry-Paraffin: MKP-3/DUSP6 Antibody (3G2) [H00001848-M01] - Analysis of monoclonal antibody to DUSP6 on formalin-fixed paraffin-embedded human pancreas. Antibody concentration 3 ug/ml.	
Western Blot: MKP-3/DUSP6 Antibody (3G2) [H00001848-M01] - DUSP6 monoclonal antibody (M01), clone 3G2 Western Blot analysis of DUSP6 expression in Jurkat (Cat # L017V1).	

Western Blot: MKP-3/DUSP6 Antibody (3G2) [H00001848-M01] - DUSP6 monoclonal antibody (M01), clone 3G2. Western Blot analysis of DUSP6 expression in human placenta.	
Western Blot: MKP-3/DUSP6 Antibody (3G2) [H00001848-M01] - Analysis of DUSP6 over-expressed 293 cell line, cotransfected with DUSP6 Validated Chimera RNAi (Cat # H00001848-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with DUSP6 monoclonal antibody (M01), clone 3G2 (Cat # H00001848-M01). GAPDH (36.1 kDa) used as specificity and loading control.	
ELISA: MKP-3/DUSP6 Antibody (3G2) [H00001848-M01] - Detection limit for recombinant GST tagged DUSP6 is approximately 1ng/ml as a capture antibody.	

Publications

Lee JU, Huang S, Lee MH et al. Dual specificity phosphatase 6 as a predictor of invasiveness in papillary thyroid cancer. Eur J Endocrinol. 2012-04-25 [PMID: 22535643]

Kim YH, Choi YW, Han JH et al. TSH Signaling Overcomes B-RafV600E-Induced Senescence in Papillary Thyroid Carcinogenesis through Regulation of DUSP6. Neoplasia. 2014-12-01 [PMID: 25499223]

Anagnostou VK, Dimou AT, Botsis T et al. Molecular classification of nonsmall-cell lung cancer using a 4-protein quantitative assay. Cancer. 2011-08-25 [PMID: 22009766] (WB, Human)

Okudela K, Yazawa T, Woo T et al. Down-regulation of DUSP6 expression in lung cancer: its mechanism and potential role in carcinogenesis. Am J Pathol;175(2):867-81. 2009-08-01 [PMID: 19608870]

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Products Related to H00001848-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-51786-0.02mg	Recombinant Human MKP-3/DUSP6 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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