

Product Datasheet

SIX4 Antibody (7E2) - Azide and BSA Free H00051804-M09

Unit Size: 0.1 mg

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

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H00051804-M09

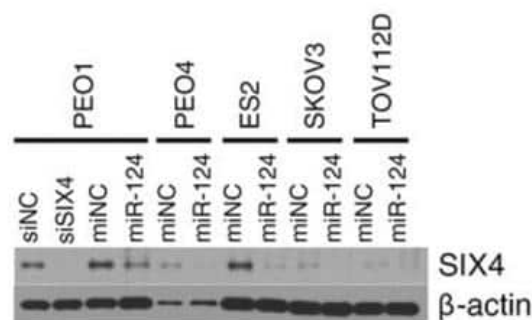
SIX4 Antibody (7E2) - Azide and BSA Free

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	7E2
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Novus Biologicals Mouse SIX4 Antibody (7E2) - Azide and BSA Free (H00051804-M09) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-SIX4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	51804
Gene Symbol	SIX4
Species	Human
Reactivity Notes	Human. Other species not tested.
Specificity/Sensitivity	SIX4 (7E2)
Immunogen	SIX4 (NP_059116, 672 a.a. ~ 780 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. GQDLLSVPMQTQAALGEIVPTAEDQVGHPSPAVHQDFVQEHLVLQSVANMKE NFLSNSESKATSSLMLDLSKSKYVLDGMVDTVCEDLETDDKELAKLQTVQLDE DMQD
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA.

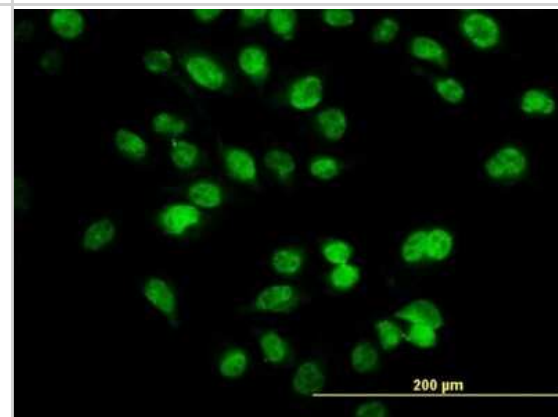


Images

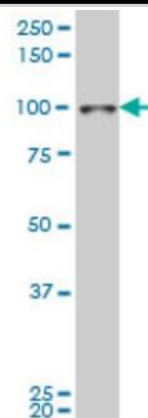
Western Blot: SIX4 Antibody (7E2) [H00051804-M09] - Immunoblots indicate miR-124-induced SIX4 depletion. siSIX4 is shown as an antibody control. Image collected and cropped by CiteAb from the following publication (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4704493/>) licensed under a CC-BY license.



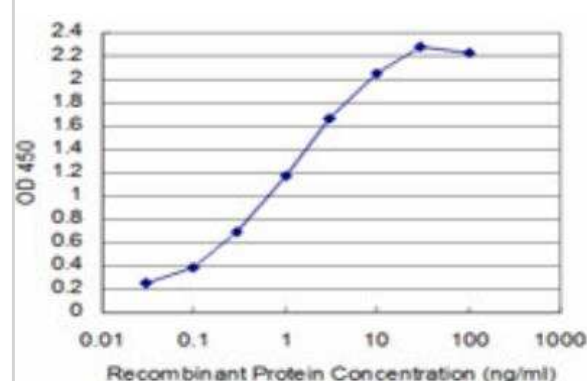
Immunocytochemistry/Immunofluorescence: SIX homeobox 4 Antibody (7E2) [H00051804-M09] - Analysis of monoclonal antibody to SIX4 on HeLa cell. Antibody concentration 15 ug/ml



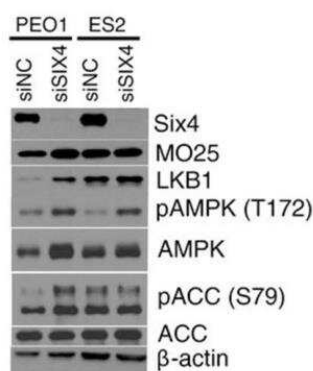
Western Blot: SIX homeobox 4 Antibody (7E2) [H00051804-M09] - Analysis of SIX4 expression in Hela S3 NE (Cat # L013V3).



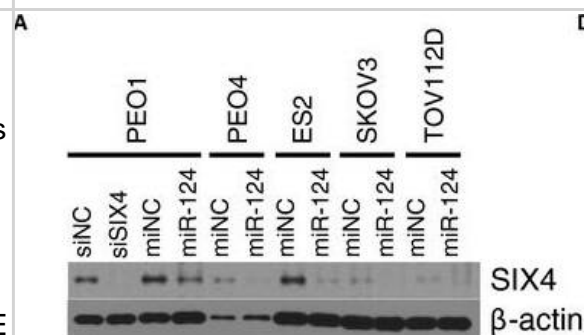
ELISA: SIX homeobox 4 Antibody (7E2) [H00051804-M09] - Detection limit for recombinant GST tagged SIX4 is approximately 0.1ng/ml as a capture antibody.



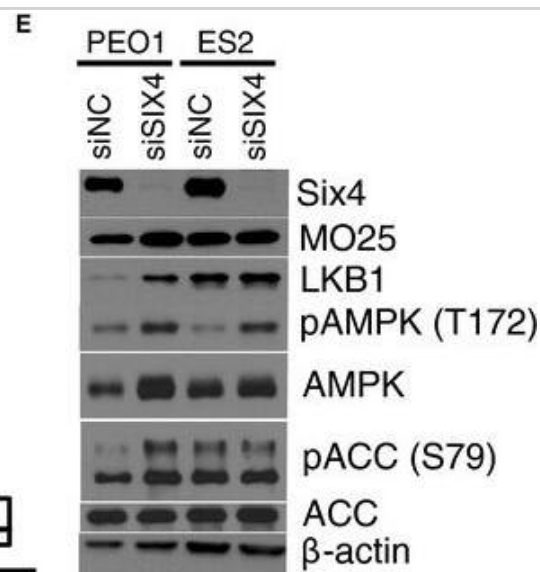
Western Blot: SIX4 Antibody (7E2) [H00051804-M09] - Immunoblots indicate consequence of SIX4 depletion on LKB1 accumulation and AMPK pathway activation. Image collected and cropped by CiteAb from the following publication (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4704493/>) licensed under a CC-BY license.



Western Blot: SIX4 Antibody (7E2) [H00051804-M09] - Selective addition of EOC to the SIX4 homeobox transcription factor. Immunoblots indicate miR-124-induced SIX4 depletion. siSIX4 is shown as an antibody control. Consequence of SIX4 depletion on EOC cell viability (as in Fig 2A, N, normal cell lines: HOSE, HBEC30). In vivo knockdown of SIX4 using neutral liposome-incorporated siRNA reduced tumor burden & ascites volume in an orthotopic xenograft mouse model. Box and whisker plot of tumor weight (left panel) or ascites volume (right panel) from n = 7 or 8 mice per condition as indicated. *P value from Student's t test. Consequence of SIX4 depletion in PEO1 cells on E-cadherin plasma membrane accumulation 48 h after transfection. Cells were counterstained with phalloidin & DAPI. Immunoblots indicate consequence of SIX4 depletion on LKB1 accumulation & AMPK pathway activation. Source data are available online for this figure. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/26655797/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: SIX4 Antibody (7E2) [H00051804-M09] - Selective addition of EOC to the SIX4 homeobox transcription factor. Immunoblots indicate miR-124-induced SIX4 depletion. siSIX4 is shown as an antibody control. Consequence of SIX4 depletion on EOC cell viability (as in Fig 2A, N, normal cell lines: HOSE, HBEC30). In vivo knockdown of SIX4 using neutral liposome-incorporated siRNA reduced tumor burden & ascites volume in an orthotopic xenograft mouse model. Box and whisker plot of tumor weight (left panel) or ascites volume (right panel) from n = 7 or 8 mice per condition as indicated. *P value from Student's t test. Consequence of SIX4 depletion in PEO1 cells on E-cadherin plasma membrane accumulation 48 h after transfection. Cells were counterstained with phalloidin & DAPI. Immunoblots indicate consequence of SIX4 depletion on LKB1 accumulation & AMPK pathway activation. Source data are available online for this figure. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/26655797/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Shields BB, Pecot CV, Gao H et al. A genome-scale screen reveals context-dependent ovarian cancer sensitivity to miRNA overexpression. Mol. Syst. Biol. 2015-12-15 [PMID: 26655797] (WB, Human)



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Products Related to H00051804-M09

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)
NBP1-90110PEP	SIX4 Recombinant Protein Antigen

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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