

Product Datasheet

FAM60A Antibody - Azide and BSA Free H00058516-B02P

Unit Size: 0.05 mg

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

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H00058516-B02P

FAM60A Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 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	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein G purified
Buffer	PBS (pH 7.4)

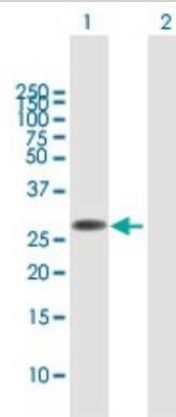
Product Description	
Description	Novus Biologicals Mouse FAM60A Antibody - Azide and BSA Free (H00058516-B02P) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-FAM60A Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	58516
Gene Symbol	SINHCAF
Species	Human
Immunogen	FAM60A (NP_067061.1, 1 a.a. - 221 a.a.) full-length human protein. MFGFHKPKMYRSIEGCCICRAKSSSSRFTDSKRYEKDFQSCFGLHETRSGDIC NACVLLVKRWKKLPAGSKKNWNHVVDARAGPSLKTTLKPKKVKTLSGNRIKSN QISKLQKEFKRHNSDAHSTTSSASPAQSPCYSNQSDDGSDTEMASGSNRTPV FSFLDLTYWKRQKICCGIYKGRFGEVLIDTHLFKPCSNNKAAAEKPEEQGPEP LPISTQEW
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Knockdown Validated
Application Notes	Immunohistochemistry and knockdown validation (PMID: 31727367).

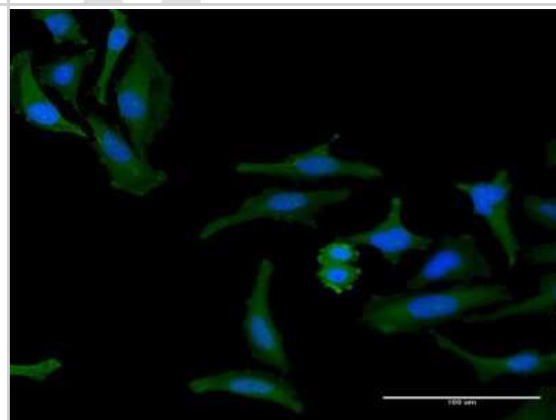


Images

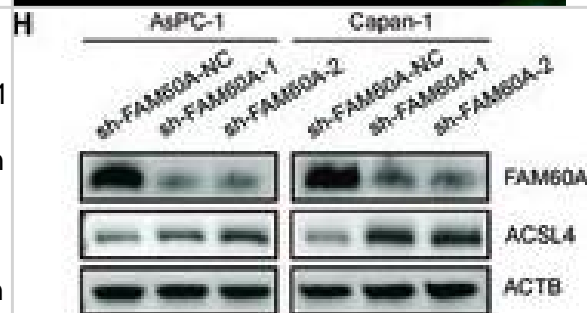
Western Blot: FAM60A Antibody [H00058516-B02P] - Analysis of FAM60A expression in transfected 293T cell line by FAM60A polyclonal antibody. Lane 1: FAM60A transfected lysate(24.31 KDa). Lane 2: Non-transfected lysate.



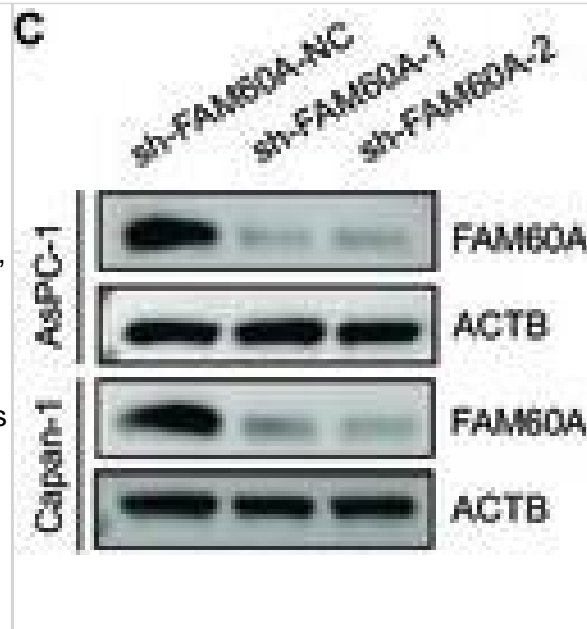
Immunocytochemistry/Immunofluorescence: FAM60A Antibody [H00058516-B02P] - Analysis of purified antibody to FAM60A on HeLa cell. (antibody concentration 30 ug/ml)



FAM60A is a repressor of ferroptosis. (A) The viability of cells treated with different concentrations of erastin in FAM60A-knockdown AsPC-1 cells was assessed; $n = 3$. (B) Effects of ferroptosis inhibitor Ferrostatin-1 (2 μM), apoptosis inhibitor Z-VAD-FMK (5 μM), and necrosis inhibitor Necrostatin-1 (2 μM) on the proliferation capacity of FAM60A knockdown AsPC-1 cells; $n = 3$. (C) Heatmap of ferroptosis-related genes changes in RNA-Seq data. (D) Transmission electron microscopy to observe the effect of FAM60A knockdown on mitochondrial morphology in PDAC cells. (E) Effect of FAM60A knockdown on ROS content in PDAC cells; $n = 3$. (F) Effect of FAM60A knockdown on GSH/GSSG content in PDAC cells; $n = 3$. (G) Western blotting experiment examined the effect of FAM60A knockdown on GPX4 protein expression levels. (H) Western blotting experiment examined the effect of FAM60A knockdown on ACSL4 protein expression levels. *** $P < 0.001$, ** $P < 0.01$, * $P < 0.05$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38314086>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



FAM60A knockdown prevents PDAC tumor growth and promotes gemcitabine sensitivity. (A) The efficiency of FAM60A knockdown by transfecting siRNAs was evaluated by qRT-PCR; $n = 3$. (B) CCK-8 experiments detected the efficiency of using siRNAs knockdown FAM60A on cell proliferation; $n = 3$. (C) Western blotting experiments verified the efficiency of knockdown FAM60A by shRNA. (D) Plate clonal formation experiments detected the effect of FAM60A stable knockdown on cell survival; $n = 3$. (E) Cell viability was measured in sh-FAM60A-NC, sh-FAM60A-1, and sh-FAM60A-2 cells treated with the 10 nM gemcitabine (Gem); $n = 3$. (F) Examples of bioluminescent pictures taken from luciferase-expressing Capan-1 cells that were orthotopically implanted into nude mice treated with 0.9% sodium chloride or gemcitabine (50 mg/kg). (G) Quantification of mice's flux luminescence is conducted with IVIS. (H) Survival curves of mice implanted with sh-FAM60A-NC or sh-FAM60A-1 cells respectively treated with NaCl or gemcitabine and 0.9% NaCl ($n = 5$). *** $P < 0.001$, ** $P < 0.01$, * $P < 0.05$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38314086>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Yao X, Liu D, Zhou L et al. FAM60A, increased by Helicobacter pylori, promotes proliferation and suppresses apoptosis of gastric cancer cells by targeting the PI3K/AKT pathway *Biochem. Biophys. Res. Commun.* 2019-11-11 [PMID: 31727367] (WB, IF/IHC, IHC-P, KD, Human)



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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97019-5mg	Mouse IgG Isotype Control

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