Product Datasheet

FAT4 Antibody [FITC]
NBP1-78381F

Unit Size: 0.1 ml

Store at 4C in the dark.

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Publications: 1

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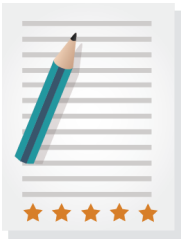
Updated 10/23/2024 v.20.1



NBP1-78381F

FAT4 Antibody [FITC]

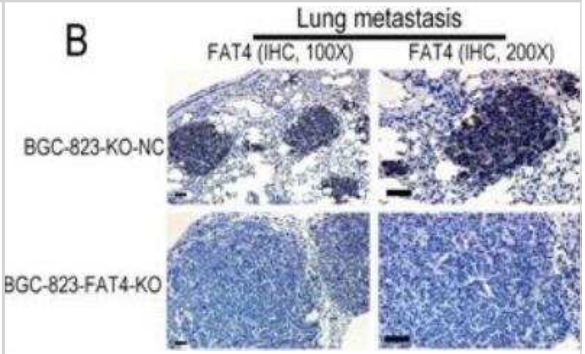
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	FITC
Purity	Immunogen affinity purified
Buffer	PBS

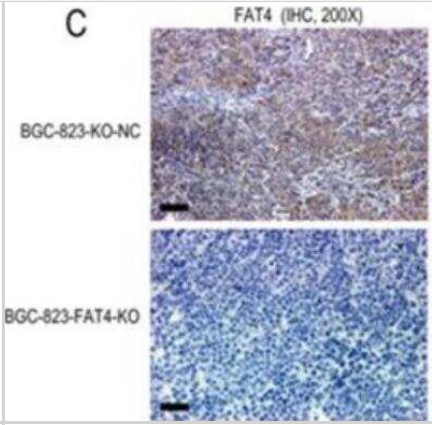
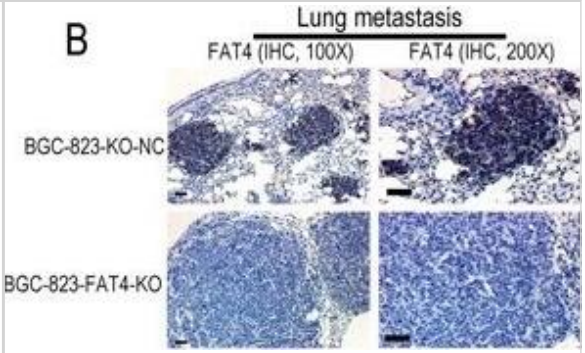
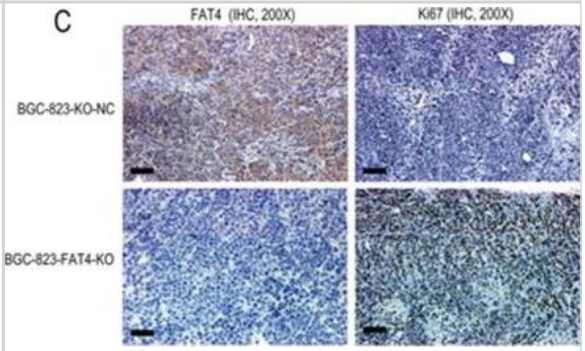
Product Description	
Host	Rabbit
Gene ID	79633
Gene Symbol	FAT4
Species	Human, Mouse
Immunogen	A synthetic peptide made to a C-terminal portion of the human FAT4 protein (between residues 4000-4500) [UniProt Q6V0I7]
Notes	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Knockout Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Images

Knockout Validated: FAT4 Antibody [FITC] [NBP1-78381F] - Representative images show IHC staining with anti-FAT4 antibody (NBP1-78381F) of lung sections from BGC-823-FAT4-KO and BGC-823-KO-NC group mice. FAT4 is positive staining in the lung metastatic tumor nodules of BGC-823-KO-NC group, whereas it negative expresses in BGC-823-FAT4-KO group. Scale bar, 100 um. Image collected and cropped by CiteAb from the following publication (//pubmed.ncbi.nlm.nih.gov/29435168/) licensed under a CC-BY license.



Knockout Validated: FAT4 Antibody [FITC] [NBP1-78381F] - Effect of FAT4 knockout on GC tumorigenesis in the nude mice xenograft model. Representative images show IHC staining of BGC-823-KO-NC and BGC-823-FAT4-KO derived xenograft tumors with antibody against FAT4 (NBP1-78381F). Scale bar, 100 um. Image collected and cropped by Citeab from the following publication (//pubmed.ncbi.nlm.nih.gov/29435168/) licensed under a CC-BY license.	
Immunohistochemistry: FAT4 Antibody [FITC] [NBP1-78381F] - H&E & IHC staining of metastatic lung nodules in the nude mice model(A) Representative images (40X, 100X & 400X) of H&E stained lung sections from nude mice injected via the tail vein with BGC-823-FAT4-KO & BGC-823-KO-NC cells. (B) Representative images show IHC staining with anti-FAT4 antibody of lung sections from BGC-823-FAT4-KO & BGC-823-KO-NC group mice. FAT4 is positive staining in the lung metastatic tumor nodules of BGC-823-KO-NC group, whereas it negative expresses in BGC-823-FAT4-KO group. Scale bar, 100 µm. (C) Histogram shows Ki-67 expression & index (%) in lungs of the BGC-823-FAT4-KO & BGC-823-KO-NC group mice. As shown, the BGC-823-FAT4-KO group shows higher Ki-67 index (%) than BGC-823-KO-NC group. Data represent mean ± SD from 3 independent experiments. Scale bar, 100 µm. * denotes P < 0.05 compared to control. Image collected & cropped by CiteAb from the following publication (https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.23702), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
Immunohistochemistry: FAT4 Antibody [FITC] [NBP1-78381F] - Effect of FAT4 knockout on GC tumorigenesis in the nude mice xenograft model (A) Nude mice xenografted (n=5) with BGC-823-FAT4-KO cells (left side) show increased tumor growth (size) than tumors in mice xenografted with control BGC-803-NC cells (right side). (B) BGC-823-FAT4-KO cell derived xenograft tumors show increased tumor volume than control BGC-823-KO-NC cells (*P<0.05). The data points represent mean tumor volume ± SD measured on the indicated days. (C) Representative images show IHC staining of BGC-823-KO-NC & BGC-823-FAT4-KO derived xenograft tumors with antibodies against FAT4 & Ki-67. Scale bar, 100 µm. (D) Histogram plots show percent Ki-67 positive cells in BGC-823-KO-NC & BGC-823-FAT4-KO derived xenograft tumors. As shown, the Ki-67 index is higher in the BGC-823-FAT4-KO derived tumors than BGC-823-KO-NC derived tumors. Data represent mean ± SD from 3 independent experiments. * denotes P < 0.05 compared to control. Image collected & cropped by CiteAb from the following publication (https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.23702), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Jiang X, Liu Z, Xia Y et al. Low FAT4 expression is associated with a poor prognosis in gastric cancer patients. Oncotarget 2018-01-12 [PMID: 29435168] (Mouse)

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NBP2-24892	Rabbit IgG Isotype Control [FITC]
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NBP2-49064PEP	FAT4 Recombinant Protein Antigen

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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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