

Product Datasheet

Irisin/FNDC5 Antibody - BSA Free NBP2-14024

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-14024

Irisin/FNDC5 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

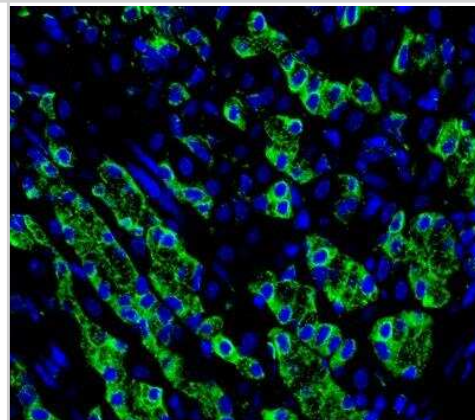
Host	Rabbit
Gene ID	252995
Gene Symbol	FNDC5
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported from a verified customer review.
Immunogen	This antibody was developed against a recombinant protein corresponding to the amino acids: EDTEYIVHVQAISIQQQSPASEPVLFKTPREAEKMASKNKDEVMTMKEMGRNQQLR

Product Application Details

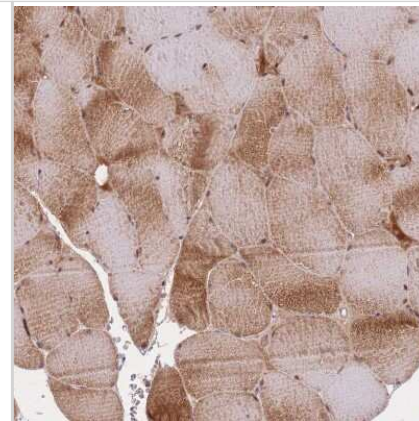
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Western Blot, Immunohistochemistry 1:20 - 1:50, Immunohistochemistry-Paraffin 1:20-1:50, Immunofluorescence Reported in scientific literature (PMID:31614634).
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

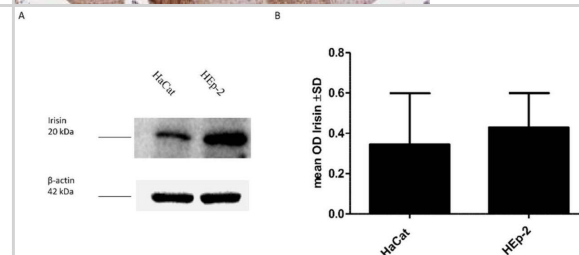
Immunohistochemistry-Paraffin: Irisin/FNDC5 Antibody [NBP2-14024] - Specific positive staining can be observed in a subpopulation of mouse gastric mucosa cells. Green is FNDC5. Image from verified customer review.



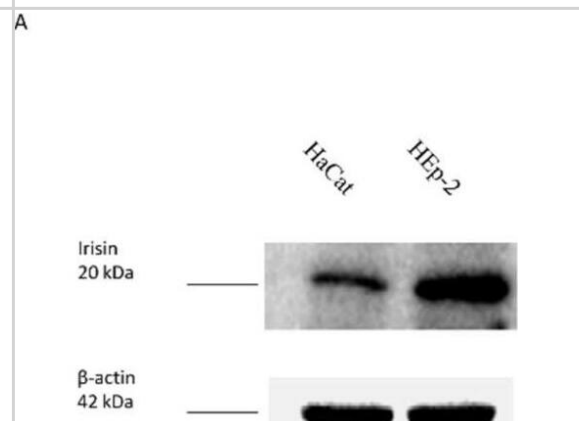
Immunohistochemistry-Paraffin: Irisin/FNDC5 Antibody [NBP2-14024] - Staining of human skeletal muscle shows granular cytoplasmic positivity in myocytes.



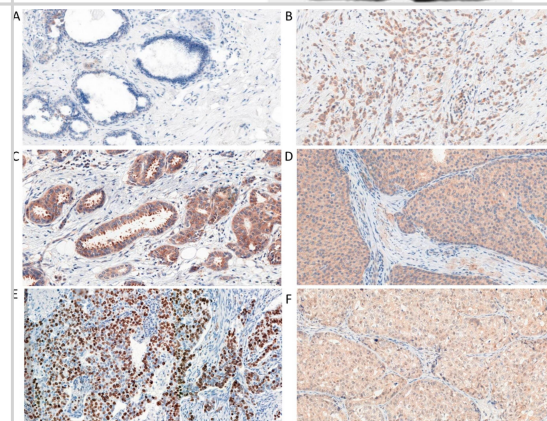
Western Blot: Irisin/FNDC5 Antibody [NBP2-14024] - Comparison of Irisin/FNDC5 expression levels detected by Western blot in Normal Human Keratinocytes (HaCat) and Larynx Epidermoid Carcinoma 2 (HEp-2) (A). The mean value of the densitometric optical analysis of the 3 repeats of Western blot detecting irisin expression levels (B). Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/35053200/>) licensed under a CC-BY license.



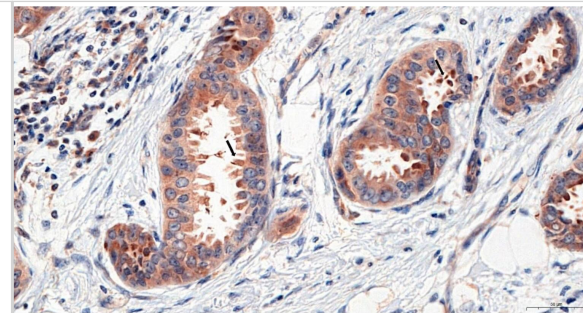
Comparison of irisin expression levels detected by Western blot in Normal Human Keratinocytes (HaCat) and Larynx Epidermoid Carcinoma 2 (HEp-2) (A). The mean value of the densitometric optical analysis of the 3 repeats of Western blot detecting irisin expression levels (B).



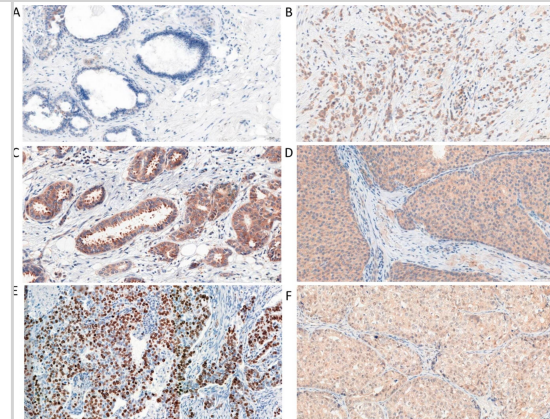
Immunohistochemistry: Irisin/FNDC5 Antibody [NBP2-14024] - Comparison of irisin expression using immunohistochemistry (IHC; positive reactions—brown cell cytoplasm) in control tissue (A) & at different grades of malignancy (G) of breast cancer (BC; (B)—G1; (C)—G2, in apical parts of cells; (D)—G3) with Ki-67 (E) & PGC-1 α (F); magnification x200. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/35408891/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



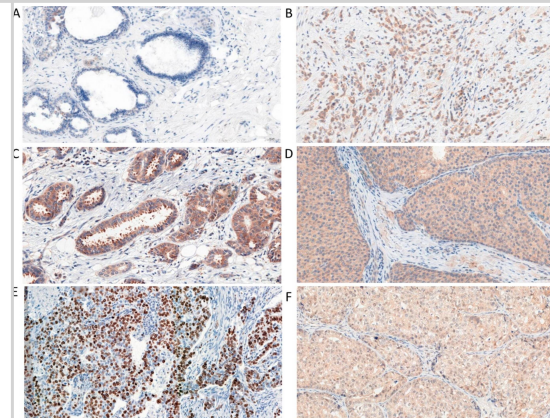
Immunohistochemistry: Irisin/FNDC5 Antibody [NBP2-14024] - Positive immunohistochemical (IHC) reactions (brown color) indicating strong irisin expression in the apical parts of cancer cells & vesicles; magnification x400. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/35408891>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



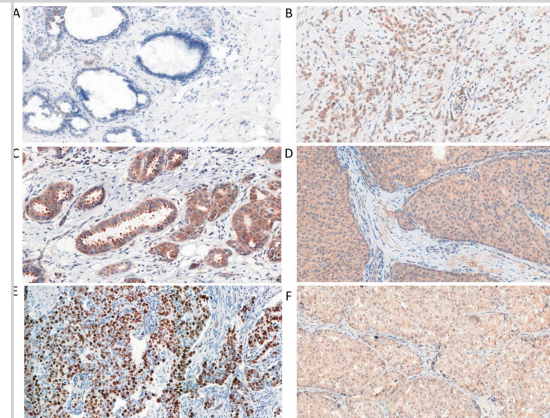
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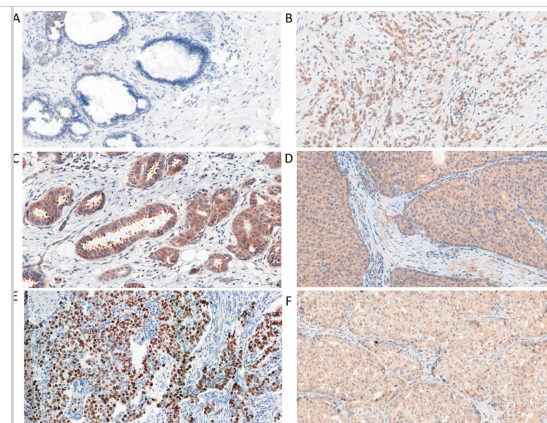
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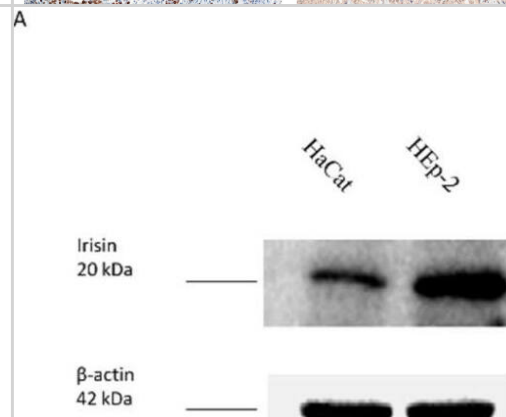
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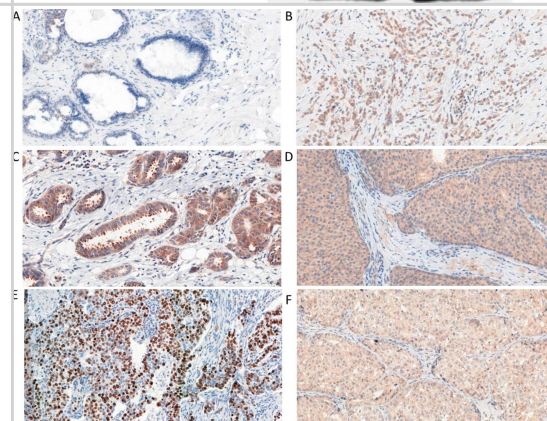
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Publications

SLAWOMIR WOZNIK, KATARZYNA NOWINSKA, MARIUSZ CHABOWSKI, PIOTR DZIEGIEL Significance of Irisin (FNDC5) Expression in Colorectal Cancer In Vivo 2022-01-03 [PMID: 34972713]

Nowińska K, Jabłońska K, Ciesielska U et al. Association of Irisin/FNDC5 with ERR α and PGC-1 α Expression in NSCLC International Journal of Molecular Sciences 2022-11-17 [PMID: 36430689] (Immunohistochemistry)

Cebulski K, Piotrowska A, Kmiecik A et al. The Role of Irisin/FNDC5 Expression and Its Serum Level in Breast Cancer International journal of molecular sciences 2023-05-11 [PMID: 37239973] (ICC/IF, IHC, Human)

Cebulski K, Nowinska K, Jablonska K et al. Expression of Irisin/FNDC5 in Breast Cancer International Journal of Molecular Sciences 2022-03-24 [PMID: 35408891] (IF/IHC, Human)

Pinkowska A, Nowinska K, Ciesielska U, Podhorska-Okolow M Irisin Association with Ki-67, MCM3 and MT-I/II in Squamous Cell Carcinomas of the Larynx Biomolecules 2021-12-30 [PMID: 35053200] (IHC-P, Human)

Nowinska K, Jablonska K, Pawelczyk K, et al. Expression of Irisin/FNDC5 in Cancer Cells and Stromal Fibroblasts of Non-small Cell Lung Cancer. Cancers (Basel) 2019-10-11 [PMID: 31614634] (IF, IF, Human)

Komolka K, Albrecht E, Schering L et al. Locus Characterization and Gene Expression of Bovine FNDC5: Is the Myokine Irisin Relevant in Cattle?. PLoS One 2014-01-01 [PMID: 24498244]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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