Product Datasheet

IGF-I R/IGF1R Antibody (3G5C1) - BSA Free
NB110-87052

Unit Size: 0.1 ml

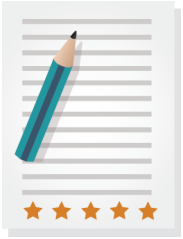
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Reviews: 2 Publications: 10

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB110-87052

Updated 10/23/2024 v.20.1



NB110-87052

IGF-I R/IGF1R Antibody (3G5C1) - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3G5C1
Preservative	0.03% Sodium Azide
Isotype	IgG2a
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	96 kDa

Product Description

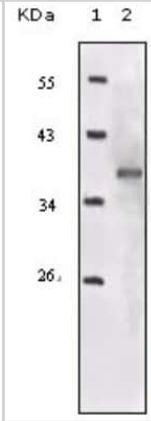
Host	Mouse
Gene ID	3480
Gene Symbol	IGF1R
Species	Human
Immunogen	Purified recombinant fragment of IGF-I R/IGF1R (AA: 1101-1367) expressed in E. Coli.

Product Application Details

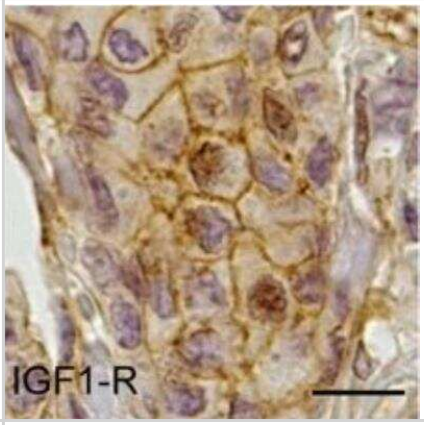
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500 - 1:2000, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000

Images

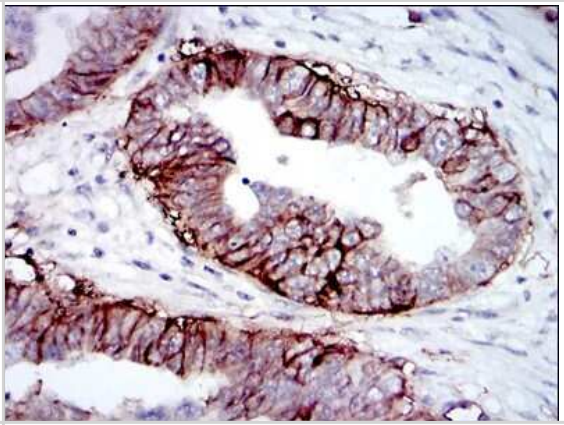
Western Blot: IGF-I R Antibody (3G5C1) [NB110-87052] - Analysis using IGF1R-Beta mouse mAb against truncated IGF1R recombinant protein.



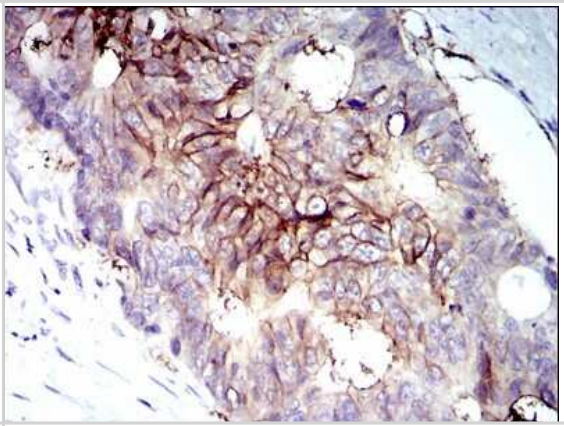
Immunohistochemistry: IGF-I R/IGF1R Antibody (3G5C1) [NB110-87052] - Expression of growth factor receptors in male breast cancer. Expression of HER2, FGFR2, EGFR, IGF-I R/IGF1R, and MET in representative cases of male breast cancer. Size bars equal 20 um. Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0053353) licensed under a CC-BY license.



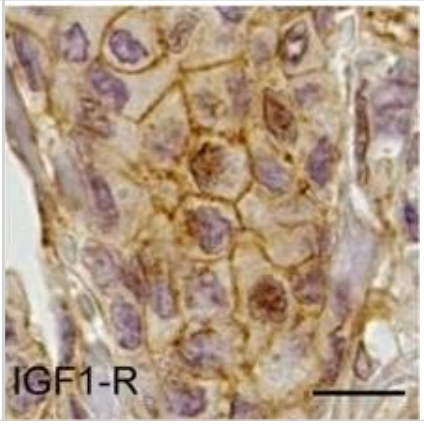
Immunohistochemistry-Paraffin: IGF-I R Antibody (3G5C1) [NB110-87052] - Analysis of ovarian cancer tissues using IGF1R-Beta mouse mAb with DAB staining.

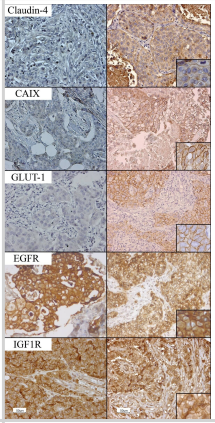
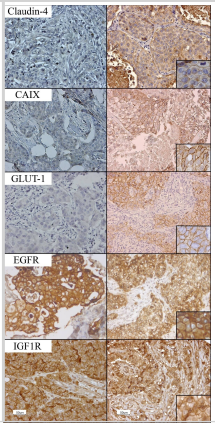


Immunohistochemistry-Paraffin: IGF-I R Antibody (3G5C1) [NB110-87052] - Analysis of rectum cancer tissues using IGF1R-Beta mouse mAb with DAB staining.



Expression of growth factor receptors in male breast cancer.Expression of HER2, FGFR2, EGFR, IGF1-R, and MET in representative cases of male breast cancer. Size bars equal 20 µm.



Representative IHC staining in primary breast tumors (left; no membrane staining for Claudin-4, CAIX and GLUT-1 (significant negative to positive conversion), positive membrane staining for EGFR and IGF1R (negative to positive conversion n.s.) and metastases (right; positive membrane staining). Magnification: 20× (inlet 40×).	
Immunohistochemistry-Paraffin: IGF-I R/IGF1R Antibody (3G5C1) - BSA Free [NB110-87052] - Representative IHC staining in primary breast tumors (left; no membrane staining for Claudin-4, CAIX & GLUT-1 (significant negative to positive conversion), positive membrane staining for EGFR & IGF1R (negative to positive conversion n.s.) & metastases (right; positive membrane staining). Magnification: 20× (inlet 40×). Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/25417118), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

De Martino MC, van Koetsveld PM, Feelders RA et al. IGF and mTOR pathway expression and in vitro effects of linsitinib and mTOR inhibitors in adrenocortical cancer Endocrine 2019-03-05 [PMID: 30838516] (IHC-P, Human)

Wang H, Huang W, Yu X et al. Two prostate cancer□associated polymorphisms in the 3'UTR of IGF1R influences prostate cancer susceptibility by affecting miRNA binding. Oncol. Rep. 2018-10-22 [PMID: 30365147] (WB)

Jori B, Kamps R, Xanthoulea S et al. Germ-line variants identified by next generation sequencing in a panel of estrogen and cancer associated genes correlate with poor clinical outcome in Lynch syndrome patients. Oncotarget. 2015-10-22 [PMID: 26517685] (IHC-P, Human)

Koo DH, Lee HJ, Ahn JH et al. Tau and PTEN status as predictive markers for response to trastuzumab and paclitaxel in patients with HER2-positive breast cancer Tumour Biol. 2015-03-01 [PMID: 25725586] (IHC-P, Human)

Jiwa Ls, Van Diest Pj, Hoefnagel Ld et al. Upregulation of Claudin-4, CAIX and GLUT-1 in distant breast cancer metastases. BMC Cancer. 2014-11-27 [PMID: 25417118] (IHC-P, Human)

Vermeulen JF, van der Wall E, Witkamp AJ, van Diest PJ. Analysis of expression of membrane-bound tumor markers in ductal carcinoma in situ of the breast: paving the way for molecular imaging. Cell Oncol (Dordr) 2013-06-07 [PMID: 23744486]

Vermeulen JF, Kornegoor R, van der Wall E et al. Differential expression of growth factor receptors and membrane-bound tumor markers for imaging in male and female breast cancer. PLoS One. 2013-01-04 [PMID: 23308200] (IF/IHC, Human)

Varewijck AJ, Brugts MP, Frystyk J et al. Circulating insulin-like growth factors may contribute substantially to insulin receptor isoform A and insulin receptor isoform B signalling Mol Cell Endocrinol 2012-09-07 [PMID: 22982059] (IF/IHC, Human)

Vermeulen JF, van Brussel AS, van der Groep P et al. Immunophenotyping invasive breast cancer: paving the road for molecular imaging. BMC Cancer 2012-06-01 [PMID: 22695343] (IF/IHC, Human)

Kong KL, Kwong DL, Chan TH, Law SY, Chen L, Li Y, Qin YR, Guan XY. MicroRNA-375 inhibits tumour growth and metastasis in oesophageal squamous cell carcinoma through repressing insulin-like growth factor 1 receptor. Gut;61 (1):33-42. 2012-01-01 [PMID: 21813472] (WB, Human)

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

Products Related to NB110-87052

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP1-77680PEP	IGF-I R/IGF1R Antibody Blocking Peptide

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB110-87052

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications