

Product Datasheet

FOX2 Antibody - BSA Free NB110-40588

Unit Size: 100 ul

Store at 4C. Do not freeze.

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Publications: 9

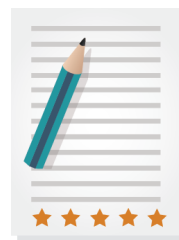
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NB110-40588

FOX2 Antibody - BSA Free

Product Information

Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description

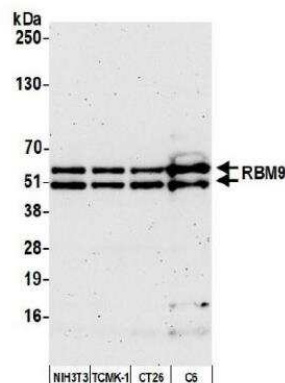
Host	Rabbit
Gene ID	23543
Gene Symbol	RBFOX2
Species	Human, Mouse, Rat
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1 and 50 of human RNA Binding Motif Protein 9 using the numbering given in entry NP_055124.1 (GeneID 23543).

Product Application Details

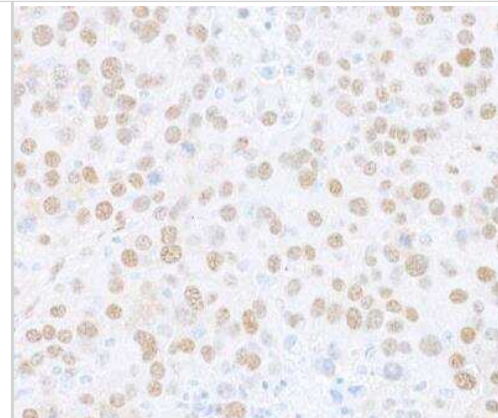
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000 - 1:10000, Flow Cytometry, Immunohistochemistry 1:2000 - 1:10000, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:2000 - 1:10000
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

Images

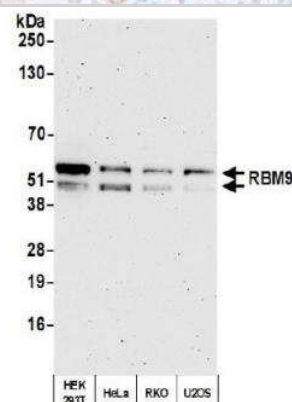
Western Blot: FOX2 Antibody [NB110-40588] - Whole cell lysate (10 ug) from NIH 3T3, TCMK-1, CT26, and C6 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-RBM9 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



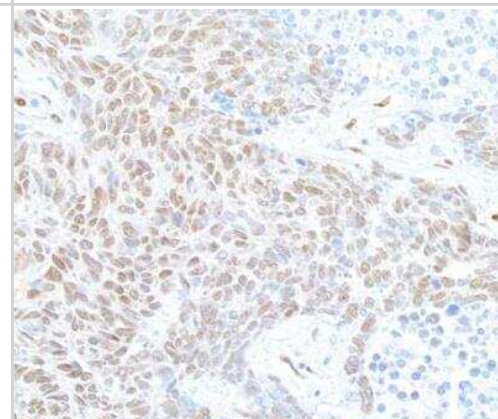
Immunohistochemistry-Paraffin: FOX2 Antibody [NB110-40588] - FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-RBM9 used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB



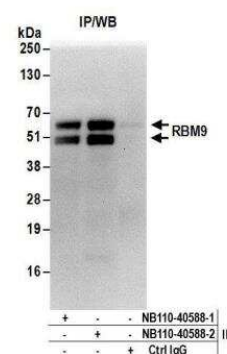
Western Blot: FOX2 Antibody [NB110-40588] - Whole cell lysate (10 ug) from HEK293T, HeLa, RKO, and U2OS cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-RBM9 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunohistochemistry-Paraffin: FOX2 Antibody [NB110-40588] - FFPE section of human lung carcinoma. Antibody: Affinity purified rabbit anti- used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB



Immunoprecipitation: FOX2 Antibody [NB110-40588] - Detection of human RBM9 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-RBM9 antibody NB110-40588 (lot NB110-40588-2) used for IP at 6 ug/mg lysate. RBM9 was also immunoprecipitated by a previous lot (lot NB110-40588-1) of this antibody. For blotting immunoprecipitated RBM9, NB110-40588 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Publications

Charlene Priscilla Poore, Jialei Yang, Shunhui Wei, Chee Kong Fhu, Zoë Bichler, Juejin Wang, Tuck Wah Soong, Ping Liao Enhanced isradipine sensitivity in vascular smooth muscle cells due to hypoxia-induced Ca v 1.2 splicing and RbFox1/Fox2 downregulation. The FEBS journal 2024-05-24 [PMID: 38794806]

Li P, Qin D, Chen T et al. Dysregulated Rbfox2 produces aberrant splicing of CaV1.2 calcium channel in diabetes-induced cardiac hypertrophy Cardiovascular diabetology 2023-07-06 [PMID: 37415128] (WB, Rat)

Welzel F, Kaehler C, Isau M et al. FOX-2 Dependent Splicing of Ataxin-2 Transcript Is Affected by Ataxin-1 Overexpression. PLoS One. 2012-05-30 [PMID: 22666429]

Dittmar KA, Jiang P, Park JW et al. Genome-wide determination of a broad ESRP-regulated posttranscriptional network by high-throughput sequencing. Mol Cell Biol 2012-04-01 [PMID: 22354987]

Chang LK, Chuang JY, Nakao M et al. MCAF1 and synergistic activation of the transcription of Epstein-Barr virus lytic genes by Rta and Zta. Nucleic Acids Res 2010-08-01 [PMID: 20385599]

Damianov A, Black DL. Autoregulation of Fox protein expression to produce dominant negative splicing factors. RNA 2010-02-01 [PMID: 20042473]

Tang ZZ, Zheng S, Nikolic J et al. Developmental control of CaV1.2 L-type calcium channel splicing by Fox proteins. Mol Cell Biol 2009-09-01 [PMID: 19564422]

Yeo GW, Coufal NG, Liang TY et al. An RNA code for the FOX2 splicing regulator revealed by mapping RNA-protein interactions in stem cells. Nat Struct Mol Biol 2009-02-01 [PMID: 19136955]

Zhang C, Zhang Z, Castle J et al. Defining the regulatory network of the tissue-specific splicing factors Fox-1 and Fox-2. Genes Dev 2008-09-01 [PMID: 18794351]





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Products Related to NB110-40588

NBL1-15218	FOX2 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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