

# Product Datasheet

## ARMC5 Antibody NBP1-94024

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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### Publications: 8

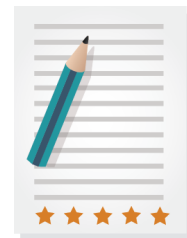
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Updated 11/30/2022 v.20.1

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**NBP1-94024****ARMC5 Antibody****Product Information**

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

**Product Description**

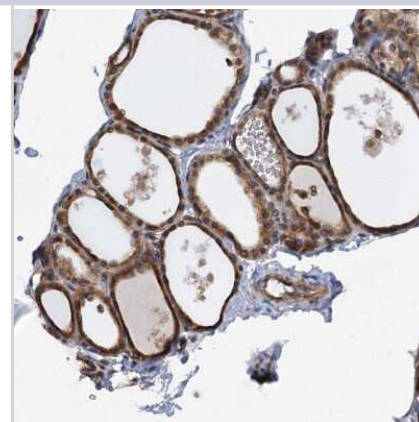
<b>Host</b>	Rabbit
<b>Gene ID</b>	79798
<b>Gene Symbol</b>	ARMC5
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Use in Mouse reported in scientific literature (PMID:28911199).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: PSAVSSSSPTPPVRLRKTLDLALSILADCCTEGACRTEVRRLLGGILPLVTILQCM KTDSIQN

**Product Application Details**

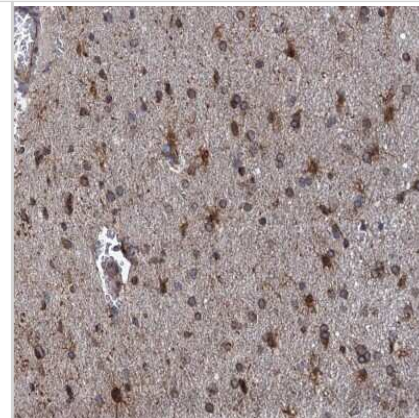
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Proximity Ligation Assay
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:20 - 1:50, Proximity Ligation Assay
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. WB reactivity reported in (PMID 24601692). The predicted molecular weight of ARMC5 protein is 97.7 kDa, however, PMID 24601692 shows that in human samples, this protein runs at ~75 kDa position. WB, IHC-P reported in the scientific literature (PMID: 25822102). Use in ICC/IF, PLA reported in scientific literature (PMID:35862218).

**Images**

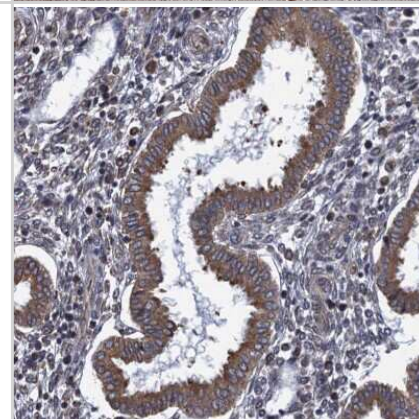
Immunohistochemistry-Paraffin: ARMC5 Antibody [NBP1-94024] - Staining of human thyroid gland shows positivity in glandular cells.



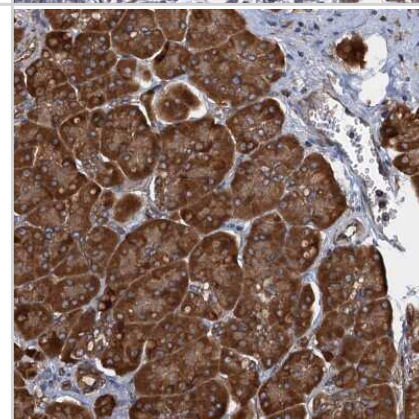
Immunohistochemistry-Paraffin: ARMC5 Antibody [NBP1-94024] -  
Staining of human cerebral cortex shows positivity in neurons.



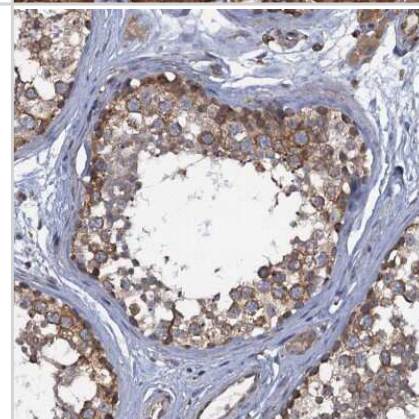
Immunohistochemistry-Paraffin: ARMC5 Antibody [NBP1-94024] -  
Staining of human endometrium shows positivity in glandular cells.



Immunohistochemistry-Paraffin: ARMC5 Antibody [NBP1-94024] -  
Staining of human pancreas shows positivity in exocrine glandular cells.



Immunohistochemistry-Paraffin: ARMC5 Antibody [NBP1-94024] -  
Staining of human testis shows positivity in cells in seminiferous ducts.



## Publications

de Arruda Botelho MLA, Nishi MY, Ribeiro KB, Zerbini MCN Morphological Harbingers of ARMC5-Pathogenic Variant-Related Bilateral Macronodular Adrenocortical Disease Endocrine pathology 2023-04-12 [PMID: 37043100]

Botelho M, Nishi M, Zerbini M Revisiting the Pathology of Bilateral Macronodular Adrenocortical Disease in Light of Recent Discoveries Research Square 2022-10-11 (IHC-P, Human)

Details:

Dilution used in IHC 1:50

Okuno Y, Fukuhara A, Otsuki M, Shimomura I ARMC5-CUL3 E3 ligase targets full-length SREBF in adrenocortical tumor JCI insight 2022-07-21 [PMID: 35862218] (WB, PLA, ICC/IF, Human, Mouse)

Berthon A, Faucz F R et al. Age-dependent effects of Armc5 haploinsufficiency on adrenocortical function. Hum Mol Genet 2017-09-15 [PMID: 28911199] (IF/IHC, Mouse)

Berthon, A;Hannah-Shmouni, F;Maria, AG;Faucz, FR;Stratakis, CA; High expression of adrenal P450 aromatase (CYP19A1) in association with ARMC5-primary bilateral macronodular adrenocortical hyperplasia J. Steroid Biochem. Mol. Biol. 2019-04-20 [PMID: 31014964] (IF/IHC, Human)

Berthon A, Faucz F, Bertherat J, Stratakis C. Analysis of ARMC5 expression in human tissues. Mol. Cell. Endocrinol. 2016-08-24 [PMID: 27568465]

Zilbermint M, Xekouki P, Faucz FR et al. Primary Aldosteronism and ARMC5 variants J. Clin. Endocrinol. Metab. 2015-03-30 [PMID: 25822102] (WB, IHC-P, Human)

Faucz FR, Zilbermint M, Lodish MB et al. Macronodular Adrenal Hyperplasia due to Mutations in an Armadillo Repeat Containing 5 (ARMC5) Gene: A Clinical and Genetic Investigation. J. Clin. Endocrinol. Metab. 2014-03-06 [PMID: 24601692] (WB, IHC-P, Human)





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### **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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