

Product Datasheet

THEM6 Antibody - BSA Free

NBP1-84052

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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NBP1-84052

THEM6 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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

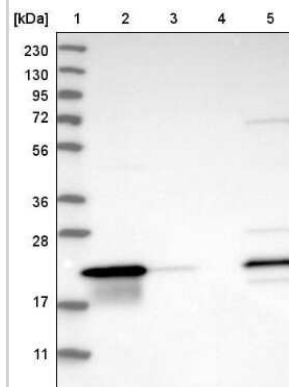
Product Description	
Description	Novus Biologicals Rabbit THEM6 Antibody - BSA Free (NBP1-84052) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-THEM6 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	51337
Gene Symbol	THEM6
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (88%), Mouse (88%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LLGWDDRAFYLEARFVSLRDGFVCALLRFRQHLLGTSPERVVQHLCQRRVEPP ELPADLQHWISYNEASSQLLRMESGLSDVTKDQ

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

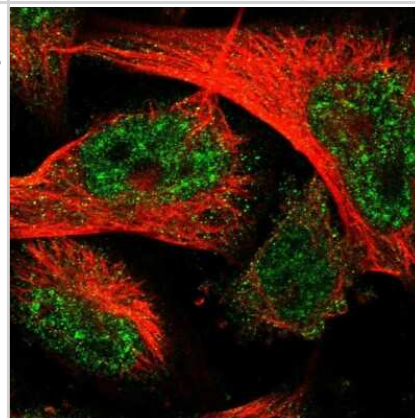


Images

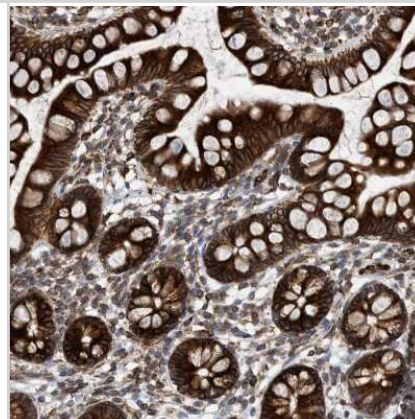
Western Blot: THEM6 Antibody [NBP1-84052] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue



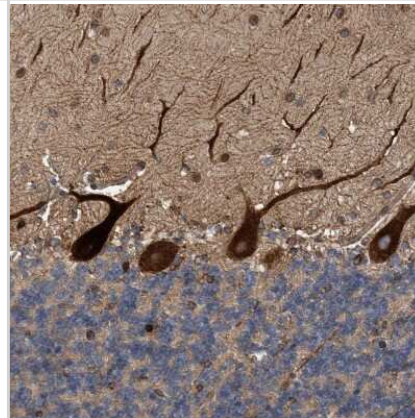
Immunocytochemistry/Immunofluorescence: THEM6 Antibody [NBP1-84052] - Immunofluorescent staining of human cell line U-251 MG shows localization to nuclear speckles & cytosol.



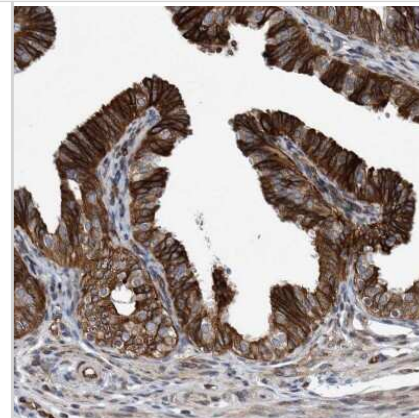
Immunohistochemistry-Paraffin: THEM6 Antibody [NBP1-84052] - Staining of human small intestine shows strong membranous and cytoplasmic positivity in glandular cells.



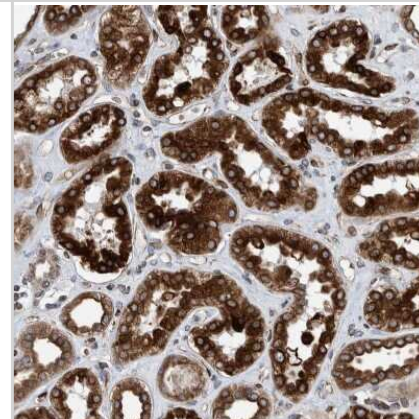
Immunohistochemistry-Paraffin: THEM6 Antibody [NBP1-84052] - Staining of human cerebellum shows strong cytoplasmic positivity in Purkinje cells.



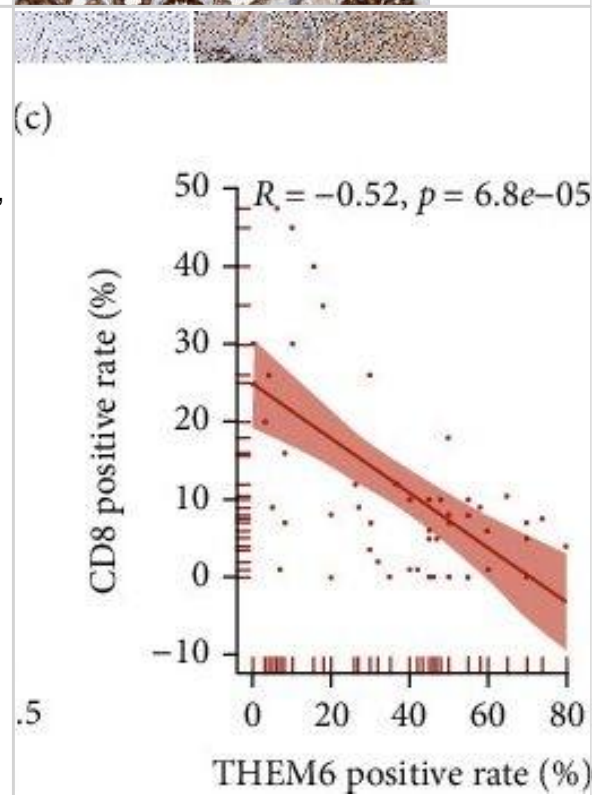
Immunohistochemistry-Paraffin: THEM6 Antibody [NBP1-84052] - Staining of human Fallopian tube shows moderate to strong membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: THEM6 Antibody [NBP1-84052] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



Xiangya cohort validates the relationship between THEM6 and immune phenotypes. (a) Exome sequencing analysis on THEM6 mRNA levels in 12 paired bladder cancer and normal tissues. (b) QPCR estimation on three cancer cell lines (T24, J82, and 5637) and one normal cell line (SV-HUC-1). The asterisks indicate a significant statistical P value calculated using paired-samples t-test. (c) Expression of THEM6, PD-L1, and CD8 in the BLCA TMA cohort was detected using immunohistochemistry. Representative images of CD8, PD-L1, and THEM6 in three immune phenotypes were displayed. The scale bars correspond to 200 μ m. (d) CD8-positive rates in the three immune phenotypes in the BLCA TMA cohort detected by IHC. (e) Correlation between PD-L1-positive rates and CD8-positive rates detected using IHC. (f, g) Correlation between THEM6-positive rates and CD8/PD-L1-positive rates detected using IHC, respectively. The asterisks indicate a significant statistical P value calculated using the Mann-Whitney U test (\square $P < 0.05$; $\square\square$ $P < 0.01$; $\square\square\square$ $P < 0.001$). (h) Correlations between THEM6 and the steps of the cancer immunity cycle. (i) Correlations between THEM6 and four critical marker genes of macrophages. (j) Correlations between THEM6 and 20 immune checkpoints. The color and the values indicate the Spearman correlation coefficient. IHC: immunohistochemistry. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35909893>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Zhao X, Hu J, Li J et al. THEM6: A Novel Molecular Biomarker Predicts Tumor Microenvironment, Molecular Subtype, and Prognosis in Bladder Cancer Disease markers 2022-07-21 [PMID: 35909893] (Chemotaxis, Human)



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Products Related to NBP1-84052

NBP1-84052PEP	THEM6 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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