

Product Datasheet

FoxJ1/HFH4 Antibody - BSA Free NBP1-87928

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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NBP1-87928

FoxJ1/HFH4 Antibody - BSA Free

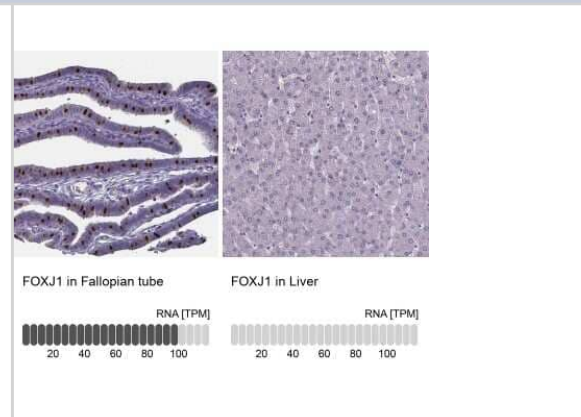
| Product Information | |
|---------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.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

| Product Description | |
|---------------------|--|
| Host | Rabbit |
| Gene ID | 2302 |
| Gene Symbol | FOXJ1 |
| Species | Human |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: PREKDEPGKGGFWRIDPQYAERLLSGAFKKRRLPPVHIHPAFARQAAQEPSAV PRAGPLTVNTEAQQLLREFEEATGEAGWGAGEGRLGHKQPLPKRVAKVPR PPSTLLPTPEEQGELEPLKG |

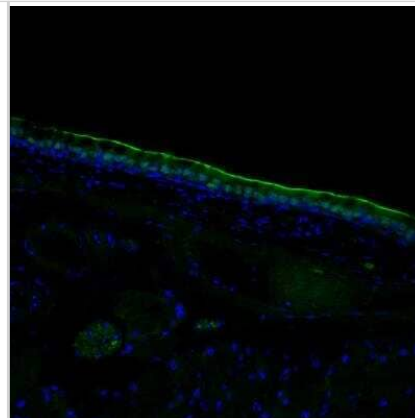
| Product Application Details | |
|-----------------------------|---|
| Applications | Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen |
| Recommended Dilutions | Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000, Immunohistochemistry-Frozen Validated for IHC Frozen from a verified customer review |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. |

Images

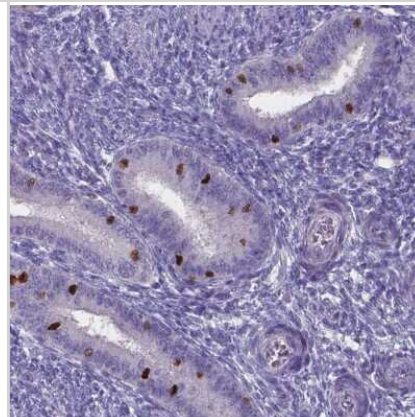
Immunohistochemistry-Paraffin: FoxJ1/HFH4 Antibody [NBP1-87928] - Staining in human fallopian tube and liver tissues. Corresponding FOXJ1 RNA-seq data are presented for the same tissues.



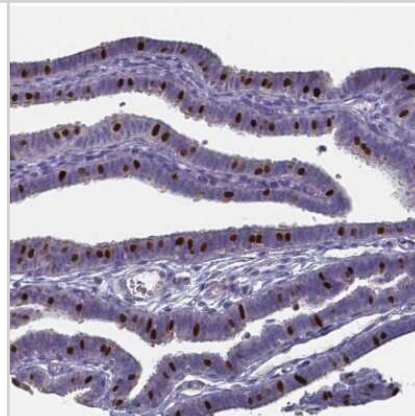
Immunohistochemistry-Frozen: FoxJ1/HFH4 Antibody [NBP1-87928] - Staining of FoxJ1 in airway epithelium of mouse. Image from verified customer review.



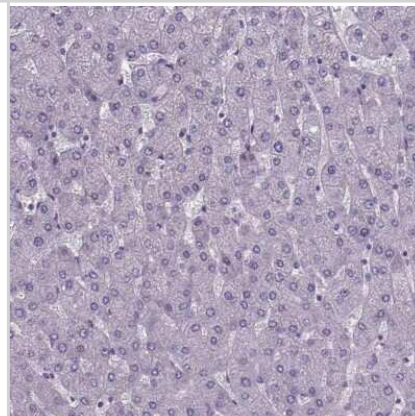
Immunohistochemistry-Paraffin: FoxJ1/HFH4 Antibody [NBP1-87928] - Staining of human endometrium shows strong nuclear positivity in a subset of glandular cells.



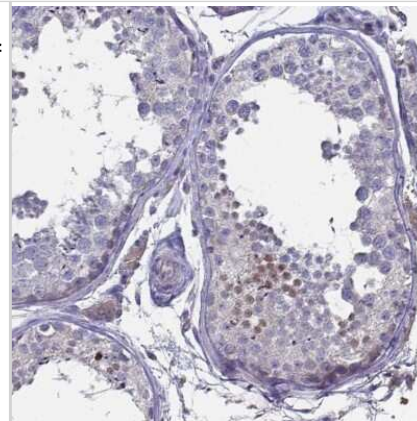
Immunohistochemistry-Paraffin: FoxJ1/HFH4 Antibody [NBP1-87928] - Staining of human fallopian tube shows strong nuclear positivity in a subset of glandular cells.



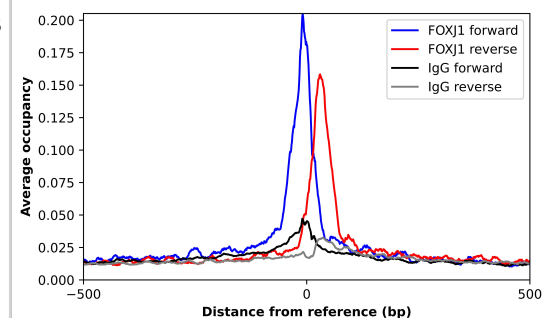
Immunohistochemistry-Paraffin: FoxJ1/HFH4 Antibody [NBP1-87928] - Staining of human liver shows no positivity as expected.



Immunohistochemistry-Paraffin: FoxJ1/HFH4 Antibody [NBP1-87928] - Staining of human testis shows moderate nuclear positivity in a subset of cells in seminiferous ducts.



ChIP-Exo-Seq composite graph for Anti-FoxJ1/HFH4 tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Publications

Chapman F, Pour SJ, Wieczorek R et al. Twenty-eight day repeated exposure of human 3D bronchial epithelial model to heated tobacco aerosols indicates decreased toxicological responses compared to cigarette smoke *Frontiers in toxicology* 2023-02-16 [PMID: 36875887] (Immunohistochemistry, Human)

Czekala L, Wieczorek R, Simms L et al. Multi-endpoint analysis of human 3D airway epithelium following repeated exposure to whole electronic vapor product aerosol or cigarette smoke *Curr Res Toxicol* 2021-08-04 [PMID: 34345855]

Michelson DA, Hase K, Kaisho T et al. Thymic epithelial cells co-opt lineage-defining transcription factors to eliminate autoreactive T cells *Cell* 2022-06-12 [PMID: 35714609]

Lehman NL, Spassky N, Sak M et al. Astroblastomas exhibit radial glia stem cell lineages and differential expression of imprinted and X-inactivation escape genes *Nature communications* 2022-04-19 [PMID: 35440587] (WB, Human)

Hong Y, Shan S, Gu Y et al. Malfunction of airway basal stem cells plays a crucial role in pathophysiology of tracheobronchopathia osteoplastica *Nature communications* 2022-03-14 [PMID: 35288560] (ICC/IF, IF/IHC)

Haglin S, Berghard A, Bohm S Increased Retinoic Acid Catabolism in Olfactory Sensory Neurons Activates Dormant Tissue-Specific Stem Cells and Accelerates Age-Related Metaplasia *J. Neurosci.* 2020-05-20 [PMID: 32385093] (IHC-F, Mouse)

Wang Q, Bhattacharya S, Mereness JA et al. A novel in vitro model of primary human pediatric lung epithelial cells *Pediatr. Res.* 2019-02-18 [PMID: 30776794] (IF/IHC, Human)

Song R, Walentek P, Sponer N et al. miR-34/449 miRNAs are required for motile ciliogenesis by repressing cp110. *Nature* 2014-06-05 [PMID: 24899310]



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Products Related to NBP1-87928

| | |
|---------------|---|
| NBP1-87928PEP | FoxJ1/HFH4 Recombinant Protein Antigen |
| 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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