

ARG41764 anti-WFDC2 / HE4 antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes WFDC2 / HE4 |
| Tested Reactivity | Ms, Rat |
| Tested Application | IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | WFDC2 / HE4 |
| Species | Rat |
| Immunogen | Recombinant protein corresponding to E31-F168 of Rat WFDC2 / HE4. |
| Conjugation | Un-conjugated |
| Alternate Names | HE4; dJ461P17.6; WAP5; Putative protease inhibitor WAP5; Major epididymis-specific protein E4; WAP four-disulfide core domain protein 2; Epididymal secretory protein E4; EDDM4 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| | IHC-P | 1:200 - 1:1000 |
| | WB | 1:500 - 1:2000 |
| Application Note | IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Observed Size | ~ 18 kDa | |

Properties

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 5% BSA. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed |

before use.

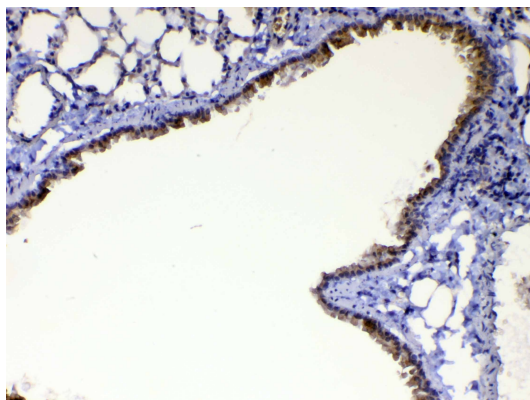
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

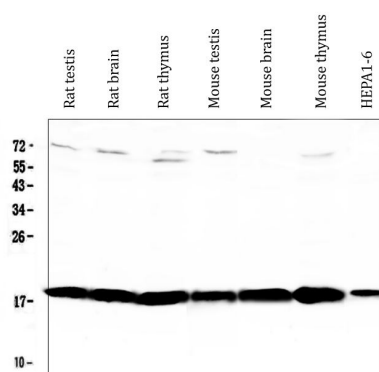
| | |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol | WFDC2 |
| Gene Full Name | WAP four-disulfide core domain 2 |
| Background | This gene encodes a protein that is a member of the WFDC domain family. The WFDC domain, or WAP Signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor in many family members. This gene is expressed in pulmonary epithelial cells, and was also found to be expressed in some ovarian cancers. The encoded protein is a small secretory protein, which may be involved in sperm maturation. [provided by RefSeq, Jul 2008] |
| Function | Broad range protease inhibitor. [UniProt] |
| Calculated Mw | 13 kDa |
| Cellular Localization | Secreted. [UniProt] |

Images



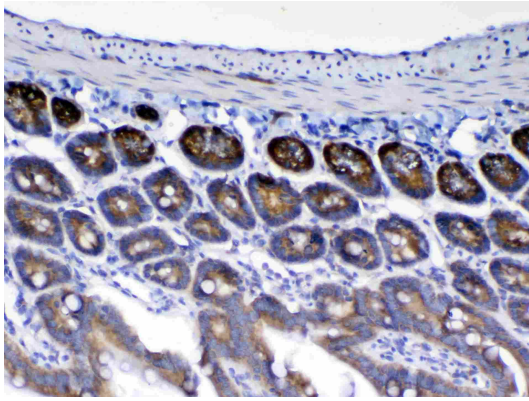
ARG41764 anti-WFDC2 / HE4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse lung tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41764 anti-WFDC2 / HE4 antibody at 1 µg/ml dilution, overnight at 4°C.



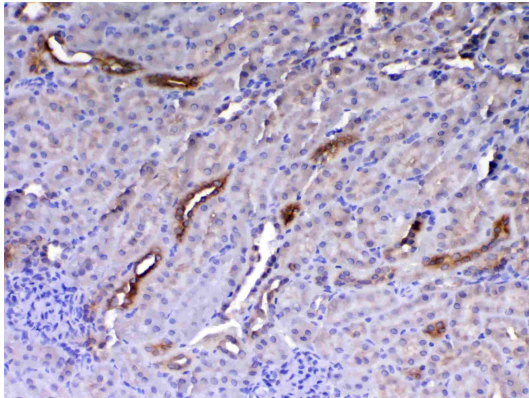
ARG41764 anti-WFDC2 / HE4 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat testis, Rat brain, Rat thymus, Mouse testis, Mouse brain, Mouse thymus and HEPA1-6 whole cell lysates stained with ARG41764 anti-WFDC2 / HE4 antibody at 0.5 µg/ml dilution, overnight at 4°C.



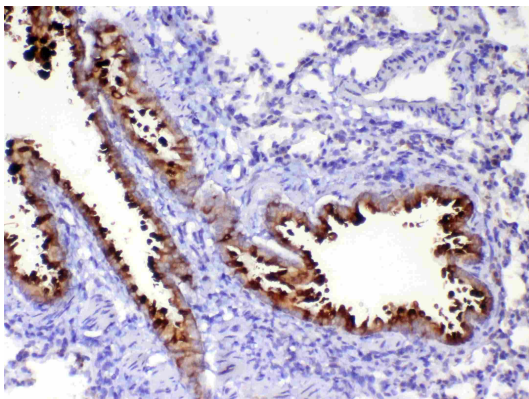
ARG41764 anti-WFDC2 / HE4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse small intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41764 anti-WFDC2 / HE4 antibody at 1 µg/ml dilution, overnight at 4°C.



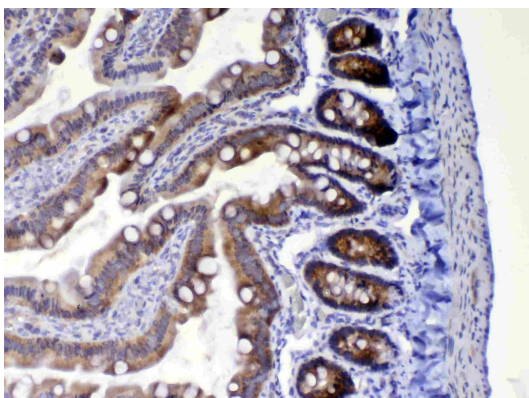
ARG41764 anti-WFDC2 / HE4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41764 anti-WFDC2 / HE4 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG41764 anti-WFDC2 / HE4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat lung tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41764 anti-WFDC2 / HE4 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG41764 anti-WFDC2 / HE4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat small intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41764 anti-WFDC2 / HE4 antibody at 1 µg/ml dilution, overnight at 4°C.