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# FAT4 Rabbit pAb

Catalog # AP97241

## Product Information

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| **Application** | IHC-P, IHC-F, IF, E |
| **Primary Accession** | Q6V0I7 |
| **Other Accession** | Q6V0I7 |
| **Predicted** | Rat, Pig, Human, Mouse, Dog, Horse, Sheep |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 542687 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human CDHF14 |
| **Epitope Specificity** | 4351-4450/4981 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Contains 34 cadherin domains. Contains 6 EGF-like domains. Contains 2 laminin G-like domains. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | The protein encoded by this gene is a member of the protocadherin family. This gene may play a role in regulating planar cell polarity (PCP). Studies in mice suggest that loss of PCP signaling may cause cystic kidney disease, and mutations in this gene have been associated with Van Maldergem Syndrome 2. Alternatively spliced transcript variants have been noted for this gene. [provided by RefSeq, Mar 2014] |

## Additional Information

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| **Gene ID** | 79633 |
| **Other Names** | CDHF14; CDHR11; FAT-J; FATJ; HKLLS2; NBLA00548; VMLDS2; FAT4_HUMAN; FAT4; hFat4; Cadherin family member 14; FAT tumor suppressor homolog 4; Fat-like cadherin protein FAT-J; FAT atypical cadherin 4; FAT tumor suppressor homolog 4 (Drosophila); cadherin-related family member 11 |
| **Dilution** | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **Name** | FAT4 |
| **Synonyms** | CDHF14, FATJ |
| **Function** | Cadherins are calcium-dependent cell adhesion proteins. FAT4 plays a role in the maintenance of planar cell polarity as well as in inhibition of YAP1-mediated neuroprogenitor cell proliferation and differentiation (By similarity). |
| **Cellular Location** | Membrane; Single-pass type I membrane protein. Note=In the kidney, localizes to primary cilia. |
| **Tissue Location** | Widely expressed. Expressed in fetal brain, infant brain, brain tumor and colorectal cancer. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.