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# NDFIP2 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13026

## Product Information

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| **Application** | WB |
| **Primary Accession** | Q9NV92 |
| **Other Accession** | NM_019080, NP_061953 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Human, Mouse, Rat, Rabbit, Chicken, Dog, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 36390 |

## Additional Information

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| **Gene ID** | 54602 |
| **Alias Symbol** | FLJ25842, KIAA1165, N4wbp5a, N4WBP5A |
| **Other Names** | NEDD4 family-interacting protein 2, NEDD4 WW domain-binding protein 5A, Putative MAPK-activating protein PM04/PM05/PM06/PM07, Putative NF-kappa-B-activating protein 413, NDFIP2, KIAA1165, N4WBP5A |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-NDFIP2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | NDFIP2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

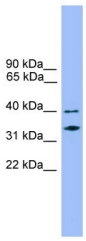
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| **Name** | NDFIP2 |
| **Synonyms** | KIAA1165, N4WBP5A |
| **Function** | Activates HECT domain-containing E3 ubiquitin-protein ligases, including ITCH, NEDD4, NEDD4L, SMURF2, WWP1 and WWP2, and consequently modulates the stability of their targets. As a result, may control many cellular processes. Recruits ITCH, NEDD4 and SMURF2 to endosomal membranes. Negatively regulates KCNH2 potassium channel activity by decreasing its cell-surface expression and interfering with channel maturation through recruitment of NEDD4L to the Golgi apparatus and multivesicular body where |

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| | it mediates KCNH2 degradation (PubMed:26363003). May modulate EGFR signaling. Together with NDFIP1, limits the cytokine signaling and expansion of effector Th2 T-cells by promoting degradation of JAK1, probably by ITCH- and NEDD4L-mediated ubiquitination (By similarity). |
| **Cellular Location** | Endosome membrane; Multi-pass membrane protein. Golgi apparatus membrane. Endosome, multivesicular body membrane |
| **Tissue Location** | Expressed in brain, lung, heart, skeletal muscle, kidney, liver and placenta. |

## References


Cristillo A.D.,et al.J. Biol. Chem. 278:34587-34597(2003).
Matsuda A.,et al.Oncogene 22:3307-3318(2003).
Dunham A.,et al.Nature 428:522-528(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hirosawa M.,et al.DNA Res. 6:329-336(1999).


## Images




WB Suggested Anti-NDFIP2 Antibody Titration: 0.2-1 µg/ml
Positive Control: 721_B cell lysate


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