

Product datasheet for **TA387789**

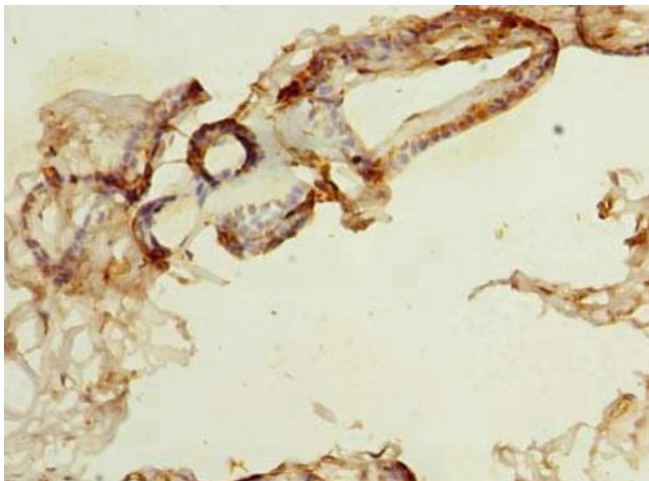
NDFIP1 Rabbit Polyclonal Antibody

Product data:

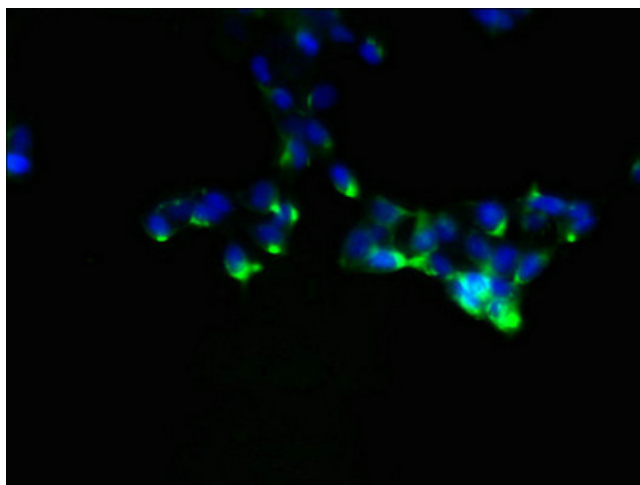
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant Human NEDD4 family-interacting protein 1 protein (2-116AA)
Formulation:	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Concentration:	lot specific
Purification:	>95%, Protein G purified
Conjugation:	Unconjugated
Storage:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Stability:	1 year from dispatch.
Database Link:	Q9BT67
Background:	<p>Activates HECT domain-containing E3 ubiquitin-protein ligases, including NEDD4 and ITCH, and consequently modulates the stability of their targets. As a result, controls many cellular processes. Prevents chronic T-helper cells-mediated inflammation by activating ITCH and thus controlling JUNB degradation (By similarity). In cortical neurons, mediates the ubiquitination of SLC11A2/DMT1 by NEDD4L, leading to down-regulation of the divalent metal transporter and protection of the cells from cobalt and iron toxicity (PubMed:19706893). Modulates EGFR signaling through multiple pathways. In particular, may regulate the ratio of AKT1-to-MAPK8 signaling in response to EGF, acting on AKT1 probably through PTEN destabilization and on MAPK8 through ITCH-dependent MAP2K4 inactivation. As a result, may control cell growth rate (PubMed:20534535). Enhances the ubiquitination of BRAT1 mediated by E3 ubiquitin-protein ligases: NEDD4, NEDD4L and ITCH, and is required for the nuclear localization of ubiquitinated BRAT1 (PubMed:25631046).</p>


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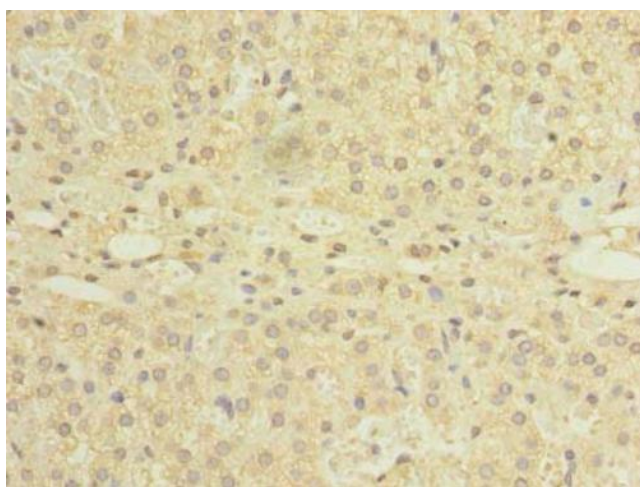
Product images:



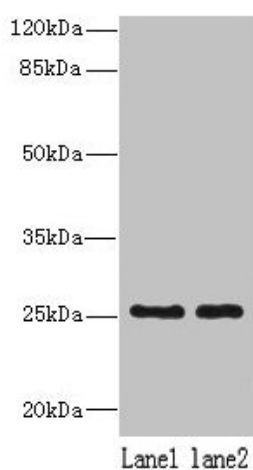
Immunohistochemistry of paraffin-embedded human breast cancer using TA387789 at dilution of 1:100



Immunofluorescent analysis of 293 cells using TA387789 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded human adrenal gland tissue using TA387789 at dilution of 1:100



Western blot
All lanes: NDFIP1 antibody at 8 μ g/ml
Lane 1: 293T whole cell lysate
Lane 2: Hela whole cell lysate
Secondary
Goat polyclonal to rabbit IgG at 1/10000 dilution
Predicted band size: 25, 17 kDa
Observed band size: 25 kDa