

Rabbit anti-Human NUFIP1 Polyclonal Antibody | anti-NUFIP1 antibody

Anti-NUFIP1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127631	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

NUFIP1; Polyclonal Antibody; Anti-NUFIP1 Antibody Picoband; Protein NDRG3; N-myc downstream-regulated gene 3 protein; NDRG3; anti-NUFIP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitous.Highly expressed in brain.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NUFIP1 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human NUFIP1 recombinant protein (Position: Q66-D481).
Subcellular Localization	Membrane, Single-pass type I membrane protein
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Protein Function	Promotes the growth of epithelial cells. May stimulate the phosphorylation of EGFR and mitogen-activated protein kinases.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of NUFIP1 using anti-NUFIP1 antibody (AAA127631) and anti-Beta Tubulin antibody (M01857-3).NUFIP1 was detected in immunocytochemical section of U2OS cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-NUFIP1 Antibody (AAA127631) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluoescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of NUFIP1 using anti-NUFIP1 antibody (AAA127631).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human A375 whole cell lysates,Lane 3: human Caco-2 whole cell lysates,Lane 4: human HEL whole cell lysates,Lane 5: human 293T whole cell lysates,Lane 6: human HepG2 whole cell lysates,Lane 7: human SH-SY5Y whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NUFIP1 antigen affinity purified polyclonal antibody (#AAA127631) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NUFIP1 at approximately 75 kDa. The expected band size for NUFIP1 is at 75 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NUFIP1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-NUFIP1 antibody	Primary Antibodies; Cancer; Cell Biology; Cell Cycle; Cell Differentiation; Tumor Biomarkers
References	1. Bardoni, B., Giglio, S., Schenck, A., Rocchi, M., Mandel, J. L. Assignment of NUFIP1 (nuclear FMRP interacting protein 1) gene to chromosome 13q14 and assignment of a pseudogene to chromosome 6q12. Cytogenet. Cell Genet. 89: 11-13, 2000. 2. Bardoni, B., Schenck, A., Mandel, J. L. A novel RNA-binding nuclear protein that interacts with the fragile X mental retardation (FMR1) protein. Hum. Molec. Genet. 8: 2557-2566, 1999. 3. Wyant, G. A., Abu-Remaileh, M., Frenkel, E. M., Laqtom, N. N., Dharamdasani, V., Lewis, C. A., Chan, S. H., Heinze, I., Ori, A., Sabatini, D. M. NUFIP1 is a ribosome receptor for starvation-induced ribophagy. Science 360: 751-758, 2018.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166235163
NCBI GeneID	26747
NCBI Accession #	NP_036477
NCBI GenBank Nucleotide #	NM_012345
UniProt Accession #	Q9UHK0; Q8WVM5; Q96SG1
Molecular Weight	56,300 Da
NCBI Official Full Name	nuclear fragile X mental retardation-interacting protein 1
NCBI Official Synonym Full Names	nuclear fragile X mental retardation protein interacting protein 1
NCBI Official Symbol	NUFIP1
NCBI Official Synonym Symbols	NUFIP; bA540M5.1
NCBI Protein Information	nuclear fragile X mental retardation-interacting protein 1; nuclear FMRP-interacting protein 1
UniProt Protein Name	Nuclear fragile X mental retardation-interacting protein 1
UniProt Gene Name	NUFIP1

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nufip1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/127631>