

Rabbit NUMA/NUMA1 Polyclonal Antibody | anti-NUMA/NUMA1 antibody

Anti-NUMA/NUMA1 Antibody Picoband

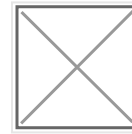
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19766	Rabbit	Human, Mouse, Rat, Monkey	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

NUMA/NUMA1; Polyclonal Antibody; Anti-NUMA/NUMA1 Antibody Picoband; Tripartite motif-containing protein 6; tripartite motif containing 6; RING finger protein 89; RING-type E3 ubiquitin transferase TRIM6; TRIM6; RNF89; anti-NUMA/NUMA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Isoform 2 is only Expressed in skeletal muscle. Isoform 1 is expressed in skeletal muscle, heart, and in lesser extent in liver or pancreas.
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-NUMA/NUMA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat, Monkey IHC(Paraffin-embedded Section), 1-2ug/ml, Human ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human NUMA/NUMA1 recombinant protein (Position: M1-E1954).
Subcellular Localization	Cytoplasm.
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	E3 ubiquitin-protein ligase which ubiquitinates MYC and inhibits its transcription activation activity, maintaining the pluripotency of embryonic stem cells. Involved in the synthesis of unanchored K48-linked polyubiquitin chains which interact with and activate the serine/threonine kinase IKBKE, leading to phosphorylation of STAT1 and stimulation of an antiviral response .
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.



IF (Immunofluorescence)

Figure 6. IF analysis of NUMA/NUMA1 using anti-NUMA/NUMA1 antibody (AAA19766) and anti-Beta Tubulin antibody (M01857-3). NUMA/NUMA1 was detected in immunocytochemical section of U2OS cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NUMA/NUMA1 Antibody (AAA19766) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NUMA/NUMA1 Antibody (AAA19766) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NUMA/NUMA1 Antibody (AAA19766) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NUMA/NUMA1 Antibody (AAA19766) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Lane 2: monkey COS-7 whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human SH-SY5Y whole cell lysates, Lane 5: human SIHA whole cell lysates, Lane 6: human RT4 whole cell lysates, Lane 7: rat PC-12 whole cell lysates, Lane 8: mouse NIH/3T3 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-NUMA/NUMA1 antigen affinity purified polyclonal antibody (#AAA19766) 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 NUMA/NUMA1 at approximately 270 kDa. The expected band size for NUMA/NUMA1 is at 270 kDa.

UniProt Accession #	Q14980; Q14981; H0YH75
Molecular Weight	238,260 Da
NCBI Official Full Name	nuclear mitotic apparatus protein 1
NCBI Official Synonym Full Names	nuclear mitotic apparatus protein 1
NCBI Official Symbol	NUMA1
NCBI Official Synonym Symbols	NUMA
NCBI Protein Information	nuclear mitotic apparatus protein 1; SP-H antigen; structural nuclear protein; centrophilin stabilizes mitotic spindle in mitotic cells
UniProt Protein Name	Nuclear mitotic apparatus protein 1
UniProt Gene Name	NUMA1
UniProt Synonym Gene Names	NUMA; NuMA protein
UniProt Entry Name	NUMA1_HUMAN

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