

Mouse anti-Human NAA10/ARD1 Monoclonal Antibody | anti-NAA10 antibody

Anti-NAA10/ARD1 Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255749	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

NAA10/ARD1; Monoclonal Antibody; Anti-NAA10/ARD1 Antibody; Mouse Monoclonal; ARD1 Antibody; Mouse MAb; N(alpha)-acetyltransferase 10; NatA catalytic subunit; Anti-ARD1 Antibody; Anti-ARD1A Antibody; Anti-ARD1P Antibody; Anti-DXS707 Antibody; Anti-MCOPS1 Antibody; Anti-NAA10 Antibody; Anti-NATD Antibody; Anti-OGDNS Antibody; Anti-TE2 Antibody; anti-NAA10 antibody

PRODUCT SPECIFICATIONS

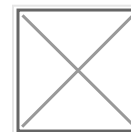
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	08
Specificity	Human ARD1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NAA10 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human ARD1 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human ARD1 (rh ARD1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human ARD1A expression on HeLa cells. The cells were treated according to manufacturer's manual (BD Pharmingen), stained with purified anti-Human ARD1A, then a PE-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)

Immunofluorescence staining of Human ARD1A in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human ARD1A monoclonal antibody (1:60) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-mouse IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm and nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-NAA10 antibody	ARD1 is a member of the 2-kDa ARF protein family. It is a multifunctional protein. ARD1 has an 18-kDa ADP-ribosylation factor (ARF) domain at the C-terminus (amino acids 43-574), and a 46-kDa N-terminal domain (amino acids 1-42). The C-terminal region of ARD1 may be involved in the formation of both ARD1-ARD1 and ARD1-NAT1 complexes. ARD1 and NAT1 genes are required for the expression of an N-terminal protein acetyltransferase. This activity is required for full repression of the silent mating-type locus HML, for sporulation, and for entry into G. Recombinant ARD1 (amino acids 1-574) or its RING finger domain (amino acids 1-11) produced polyubiquitylated proteins when incubated in vitro with a mammalian E1, an E2 enzyme, ATP, and ubiquitin.
References	Tribioli C., et al., (1994), Isolation of new genes in distal Xq28: transcriptional map and identification of a human homologue of the ARD1 N-acetyl transferase of Saccharomyces cerevisiae. Hum. Mol. Genet. 3:1061-1068.Arnesen T., et al., (2005), Identification and characterization of the human ARD1-NATH protein acetyltransferase complex.Biochem. J. 386:433-443.Ross M.T., et al., (2005), The DNA sequence of the human X chromosome.Nature 434:325-337.

NCBI AND UNIPROT INFORMATION

NCBI GI #	728880
NCBI GeneID	8260
UniProt Accession #	P41227; A6NM98
Molecular Weight	235
NCBI Official Full Name	N-alpha-acetyltransferase 10
NCBI Official Synonym Full Names	N(alpha)-acetyltransferase 10, NatA catalytic subunit
NCBI Official Symbol	NAA10
NCBI Official Synonym Symbols	TE2; ARD1; NATD; ARD1A; ARD1P; DXS707; MCOPS1
NCBI Protein Information	N-alpha-acetyltransferase 10; natA catalytic subunit Naa10; ARD1 homolog A, N-acetyltransferase; N-acetyltransferase ARD1, human homolog of; N-alpha-acetyltransferase 10, NatA catalytic subunit; N-terminal acetyltransferase complex ARD1 subunit homolog A
UniProt Protein Name	N-alpha-acetyltransferase 10
UniProt Gene Name	NAA10
UniProt Synonym Gene Names	ARD1; ARD1A; TE2
UniProt Entry Name	NAA10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/naa10-ard1-antibody-clone-08-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/255749>