

Rabbit anti-Human FUCA1 Polyclonal Antibody | anti-FUCA1 antibody

Anti-FUCA1 Antibody, Rabbit Polyclonal

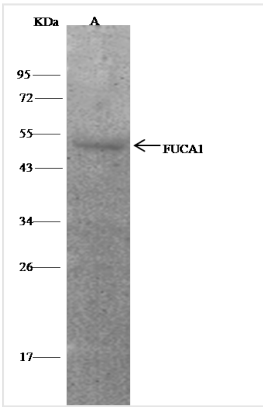
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255704	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

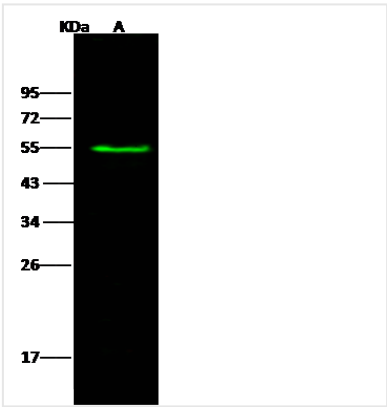
FUCA1; Polyclonal Antibody; Anti-FUCA1 Antibody; Rabbit Polyclonal; FUCA1 Antibody; Rabbit PAb; Antigen Affinity Purified; fucosidase; alpha-L-1; tissue; Anti-FUCA Antibody; anti-FUCA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human FUCA1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-FUCA1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human FUCA1 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human FUCA1 (rh FUCA1). FUCA1 specific IgG was purified by Human FUCA1 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.



IP (Immunoprecipitation)
FUCA1 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate 1 uL anti-FUCA1 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-FUCA1 rabbit polyclonal antibody, at 1:500 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:500 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 54 kDa. Observed band size: 54 kDa.



WB (Western Blot)
Anti-FUCA1 rabbit polyclonal antibody at 1:500 dilution. Lane A: K562 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 54 kDa. Observed band size: 54 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FUCA1 antibody	FUCA1 is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids. Mutations in FUCA1 gene are associated with fucosidosis (FUCA1D), which is an autosomal recessive lysosomal storage disease. Different phenotypes include clinical features such as neurologic deterioration, growth retardation, visceromegaly, and seizures in a severe early form; coarse facial features, angiokeratoma corporis diffusum, spasticity and delayed psychomotor development in a longer surviving form; and an unusual spondylometaphyseal dysplasia in yet another form.
References	Yang M, et al. (1993) A mutation generating a stop codon in the alpha-L-fucosidase gene of a fucosidosis patient. Biochem Biophys Res Commun. 189(2):1063-8. Fukushima H, et al. (1991) Sequencing and expression of a full-length cDNA for human alpha-L-fucosidase. J Inherit Metab Dis. 13(5):761-5. Kretz KA, et al. (1990) Characterization of EcoRI mutation in fucosidosis patients: a stop codon in the open reading frame. J Mol Neurosci. 1(3):177-80.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119360348
NCBI GeneID	2517
NCBI Accession #	NP_000138.2
NCBI GenBank Nucleotide #	NM_000147.4
UniProt Accession #	P04066; Q14334; Q14335; Q3LID0; Q8NAC2; B2RBG3
Molecular Weight	53,689 Da
NCBI Official Full Name	tissue alpha-L-fucosidase
NCBI Official Synonym Full Names	fucosidase, alpha-L- 1, tissue
NCBI Official Symbol	FUCA1
NCBI Official Synonym Symbols	FUCA
NCBI Protein Information	tissue alpha-L-fucosidase
UniProt Protein Name	Tissue alpha-L-fucosidase
UniProt Gene Name	FUCA1

UniProt Synonym Gene Names	Alpha-L-fucosidase 1
UniProt Entry Name	FUCO_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/polyclonal/fuca1-antibody-immunoprecipitation-western-blot-elisa/255704>