

Product datasheet for **TA336245**

FUCA1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-FUCA1 Antibody: synthetic peptide directed towards the N terminal of human FUCA1. Synthetic peptide located within the following region: PSPVSWNWNNSKDVGPHRDLVGELGTALRKRNIYGLYHSLLEWFHPLYLL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	fucosidase, alpha-L- 1, tissue
Database Link:	NP_000138 Entrez Gene 2517 Human P04066



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Background:

Alpha-L-fucosidase (EC 3.2.1.51) is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids. At least 2 separate polymorphic alpha-L-fucosidases are recognized in man: that in tissues, FUCA1, which is deficient in fucosidosis, and that in plasma, FUCA2. Fucosidosis is an autosomal recessive lysosomal storage disease caused by defective alpha-L-fucosidase with accumulation of fucose in the tissues. 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 spondylometaphyseoeipiphyseal dysplasia in yet another form. [supplied by OMIM].

Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

FUCA

Note:

Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Dog: 93%; Horse: 93%; Guinea pig: 93%; Rabbit: 79%

Protein Families:

Druggable Genome

Protein Pathways:

Lysosome, Other glycan degradation

Product images:

WB Suggested Anti-FUCA1 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human Liver