

Datasheet for ABIN633859

anti-FUCA1 antibody (N-Term)





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Quantity:	100 μL	
Target:	FUCA1	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This FUCA1 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	FUCA1 antibody was raised using the N terminal of FUCA1 corresponding to a region with	
	amino acids PSPVSWNWNSKDVGPHRDLVGELGTALRKRNIRYGLYHSLLEWFHPLYLL	
Specificity:	FUCA1 antibody was raised against the N terminal of FUCA1	
Purification:	Affinity purified	
Target Details		
Target:	FUCA1	
Alternative Name:	FUCA1 (FUCA1 Products)	
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 recognised 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
spondylometaphyseoepiphyseal dysplasia in yet another form.

Molecular Weight:

54 kDa (MW of target protein)

Pathways:

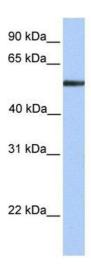
Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB: 1 µg/mL
	Optimal conditions should be determined by the investigator.
Comment:	FUCA1 Blocking Peptide, catalog no. 33R-7363, is also available for use as a blocking control in assays to test for specificity of this FUCA1 antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized	
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of FUCA1 antibody in PBS	
Concentration:	Lot specific	
Buffer:	PBS	
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.	



Western Blotting

Image 1. FUCA1 antibody used at 1 ug/ml to detect target protein.