**BACKGROUND**

FUCA1 (fucosidase, α-L-1, tissue) is a 466 amino acid membrane and seminal-associated isozyme that is a member of the glycosyl hydrolase 29 family. FUCA1 functions as a homotrimer and is responsible for hydrolyzing and reducing the carbohydrate moieties of glycoproteins in various tissues. Defects in the gene encoding FUCA1 result in fucosidosis, an autosomal recessive disorder caused by an accumulation of fucose-containing glycolipids and glycoproteins. Fucosidosis, a lysosomal storage disease, is characterized by neurologic deterioration, growth retardation, visceromegaly and seizures. Early onset of fucosidosis causes coarse facial features, angiokeratoma corporis diffusum, spasticity, delayed psychomotor development and an unusual spondylometaphyseoepiphyseal dysplasia.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: FUCA1 (human) mapping to 1p36.11; Fuca1 (mouse) mapping to 4 D3.

**SOURCE**

FUCA1 (G-12) is a mouse monoclonal antibody raised against amino acids 151-237 mapping within an internal region of FUCA1 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG1 lambda light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.