

Mouse Monoclonal Antibody to ATL1

Catalogue Number sAP-1533

Target Molecule **Name:** ATL1

Aliases: FSP1; GBP3; SPG3; HSN1D; SPG3A; AD-FSP; atlastin1

MW: 63.5kDa

Entrez Gene ID: 51062

Description The protein encoded by this gene is a GTPase and a Golgi body transmembrane protein. The encoded protein can form a homotetramer and has been shown to interact with spastin and with mitogen-activated protein kinase kinase kinase 4. This protein may be involved in axonal maintenance as evidenced by the fact that defects in this gene are a cause of spastic paraplegia type 3. Three transcript variants encoding two different isoforms have been found for this gene.

Immunogen Purified recombinant fragment of human ATL1 (AA: 1-100) expressed in E. Coli.

Reactive Species Human;

Clone MM1F6B12

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: N to A; IHC: N to A

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1.Eur J Hum Genet. 2014 Oct;22(10):1180-4. 2.Mol Biol Cell. 2015 May 1;26(9):1616-28. doi: 10.1091/mbc.E14-10-1447.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**