ARG46845
anti-AGBL1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes AGBL1
Tested Reactivity	Ms
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	AGBL1
Species	Human
Immunogen	Recombinant protein of Human AGBL1.
Conjugation	Un-conjugated
Alternate Names	AGBL1; Cytosolic carboxypeptidase 4; CCP4; ATP/GTP-binding protein-like 1; Protein deglutamylase CCP4

Application Instructions

Application table

Application	Dilution
IHC-P	1:200 - 1:250

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A
Buffer	PBS, 0.09% Sodium azide, 50% Glycerol and 0.5% BSA
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	AGBL1
Gene Full Name	AGBL carboxypeptidase 1
Background	Polyglutamylation is a reversible posttranslational modification catalyzed by polyglutamylases that results in the addition of glutamate side chains on the modified protein. This gene encodes a glutamate decarboxylase that catalyzes the deglutamylation of polyglutamylated proteins. Mutations in this gene result in dominant late-onset Fuchs corneal dystrophy. [provided by RefSeq, Nov 2013]
Function	Metallocarboxypeptidase that mediates deglutamylation of tubulin and non-tubulin target proteins. Catalyzes the removal of polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of tubulin protein. Specifically cleaves tubulin long-side-chains, while it is not able to remove the branching point glutamate. Also catalyzes the removal of polyglutamate residues from the carboxy-terminus of non-tubulin proteins such as MYLK. [UniProt]
Calculated MW	125 kDa
Cellular Localization	Cytoplasm; Cytosol. [UniProt]