ARG55058
anti-CHML antibody (C-term)

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CHML
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CHML
Species	Human
Immunogen	Recombinant protein of Human CHML (C-terminus) (Swiss: Q9UQN3)
Conjugation	Un-conjugated
Alternate Names	VPS2B; Charged multivesicular body protein 2b; Vacuolar protein sorting-associated protein 2-2; hVps2-2; DMT1; ALS17; CHMP2b; VPS2-2; CHMP2.5; Vps2-2; Chromatin-modifying protein 2b

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

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

Positive Control: BT474 and Mouse kidney

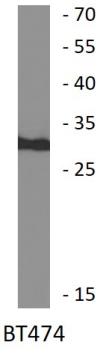
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

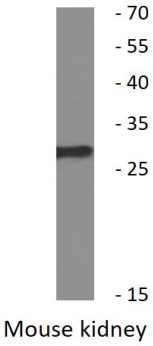
Database links	GeneID: 25978 Human GeneID: 68942 Mouse Swiss-port # Q8BJF9 Mouse Swiss-port # Q9UQN3 Human
Gene Symbol	CHMP2B
Gene Full Name	charged multivesicular body protein 2B
Background	This gene encodes a component of the heteromeric ESCRT-III complex (Endosomal Sorting Complex Required for Transport III) that functions in the recycling or degradation of cell surface receptors. ESCRT-III functions in the concentration and invagination of ubiquitinated endosomal cargos into intralumenal vesicles. The protein encoded by this gene is found as a monomer in the cytosol or as an oligomer in ESCRT-III complexes on endosomal membranes. It is expressed in neurons of all major regions of the brain. Mutations in this gene result in one form of familial frontotemporal lobar degeneration. [provided by RefSeq, Jul 2008]
Function	Probable core component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential function of ESCRT-O, -I,-II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and the budding of enveloped viruses (HIV-1 and other lentiviruses). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4. [UniProt]
Research Area	Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	24 kDa

Images



ARG55058 anti-CHML antibody (C-term) WB image

Western blot: BT474 cell lysate stained with ARG55058 anti-CHML antibody (C-term).



ARG55058 anti-CHML antibody (C-term) WB image

Western blot: Mouse kidney lysate stained with ARG55058 anti-CHML antibody (C-term).