ARG22415
anti-TGN38 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Sheep Polyclonal antibody recognizes TGN38 This antibody recognizes rat TGN38, a 357 amino acid single pass trans membrane glycoprotein found primarily in the Trans-golgi network, and acts as an excellent marker for this cellular organelle (Humphrey et al. 1993).TGN38 is likely to have a role in intracellular transport (McNamara et al. 2004) and plays a role in morphological maintenance (Girotti and Banting 1996). It is the homologue of human TGN46 and macaque TGN47 (Ponnambalam et al. 1996).
Tested Reactivity	Ms, Rat
Tested Application	EM, ICC/IF, IHC-Fr, WB
Host	Sheep
Clonality	Polyclonal
Isotype	IgG
Target Name	TGN38
Species	Rat
Immunogen	Recombinant fusion protein corresponding to extracellular domain of TGN38.
Conjugation	Un-conjugated
Alternate Names	Trans-Golgi network integral membrane protein TGN38; Tgoln1; Ttgn1; Tgn38

Application Instructions

Application table

Application	Dilution
EM	Assay-dependent
ICC/IF	Assay-dependent
IHC-Fr	1:100 - 1:200
WB	1:1000

Application Note: IHC-Fr: Fixation with methanol or methanol/acetone recommended.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS and 0.09% Sodium azide
Preservative	0.09% Sodium azide
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	Tgoln2
Gene Full Name	trans-golgi network protein 2
Background	resident integral membrane proteins of the trans-Golgi network (TGN), cycles constitutively between the TGN and the plasma membrane [RGD, Feb 2006]
Calculated Mw	38 kDa