ARG63539
anti-TEM8 / Anthrax Toxin Receptor 1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes TEM8 / Anthrax Toxin Receptor 1
Tested Reactivity	Hu
Predict Reactivity	Cow, Rat, Dog
Tested Application	ICC/IF
Specificity	This antibody is expected to recognise variant 1 (NP_115584) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TEM8 / Anthrax Toxin Receptor 1
Species	Human
Immunogen	C-RAPPPSRPPPRPSV
Conjugation	Un-conjugated
Alternate Names	Tumor endothelial marker 8; Anthrax toxin receptor 1; ATR; TEM8; GAPO

Application Instructions

Application table

Application	Dilution
ICC/IF	10 µg/ml

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

Properties

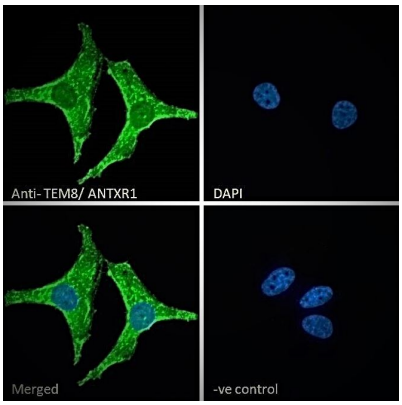
Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage 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

Database links	GeneID: 84168 Human Swiss-port # Q9H6X2 Human
Background	This gene encodes a type I transmembrane protein and is a tumor-specific endothelial marker that has been implicated in colorectal cancer. The encoded protein has been shown to also be a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease, anthrax. The binding of the protective antigen (PA) component, of the tripartite anthrax toxin, to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once inside the cell, the other two components of anthrax toxin, edema factor (EF) and lethal factor (LF) disrupt normal cellular processes. Three alternatively spliced variants that encode different protein isoforms have been described. [provided by RefSeq, Oct 2008]
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Microbiology and Infectious Disease antibody
Calculated Mw	63 kDa

Images



ARG63539 anti-TEM8 / Anthrax Toxin Receptor 1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde-fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63539 anti-TEM8 / Anthrax Toxin Receptor 1 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.