

ARG43984 anti-Prostasin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Prostasin
Tested Reactivity	Hu
Tested Application	ELISA, FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Prostasin
Species	Human
Immunogen	Human Prostasin recombinant protein
Conjugation	Un-conjugated
Alternate Names	PRSS8; Serine Protease 8; CAP1; Prostasin; Channel-Activating Serine Protease 1; Channel-Activating Protease 1; Protease, Serine 8; EC 3.4.21.120; EC 3.4.21.- ; PROSTASIN; EC 3.4.21

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 ⁶
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

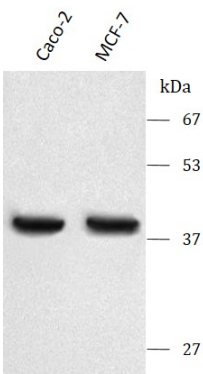
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
Stabilizer	4% Trehalose
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

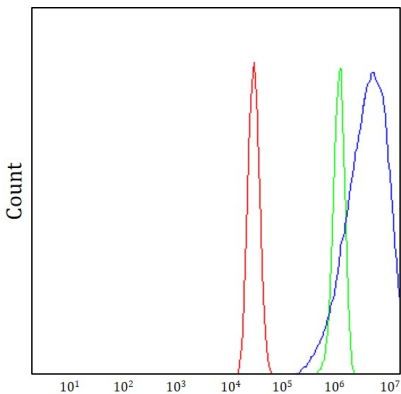
Gene Symbol	PRSS8
Gene Full Name	Serine Protease 8
Background	This gene encodes a member of the peptidase S1 or chymotrypsin family of serine proteases. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate via a disulfide bond to form the heterodimeric enzyme. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. This protease exhibits trypsin-like substrate specificity, cleaving protein substrates at the carboxyl terminus of lysine or arginine residues. The encoded protease partially mediates proteolytic activation of the epithelial sodium channel, a regulator of sodium balance, and may also play a role in epithelial barrier formation.
Function	Possesses a trypsin-like cleavage specificity with a preference for poly-basic substrates. Stimulates epithelial sodium channel (ENaC) activity through activating cleavage of the gamma subunits.
Calculated Mw	36 kDa
PTM	Disulfide bond, Glycoprotein, Zymogen
Cellular Localization	Cell membrane, Membrane, Secreted

Images



ARG43984 anti-Prostasin antibody WB image

Western blot: Caco-2 and MCF-7 stained with ARG43984 anti-Prostasin antibody at 0.5 µg/mL dilution.



ARG43984 anti-Prostasin antibody FACS image

Flow Cytometry: MCF-7 cells stained with ARG43984 anti-Prostasin antibody (blue) at 1 µg/1x10⁶ cells dilution.