

ARG45254 anti-TMPRSS13 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes TMPRSS13
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	TMPRSS13
Species	Human
Immunogen	Recombinant protein containing to human TMPRSS13.
Conjugation	Un-conjugated
Alternate Names	TMPRSS13; Transmembrane Serine Protease 13; Membrane-Type Mosaic Serine Protease; TMPRSS11; MSPL; MSPS; Transmembrane Protease, Serine 11; Transmembrane Protease, Serine 13; Transmembrane Protease Serine 13; MSP; Mosaic Serine Protease; EC 3.4.21.109; EC 3.4.21.-; EC 3.4.21

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	IHC-P	2-5 µg/ml
	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.	
Observed Size	63 kDa	

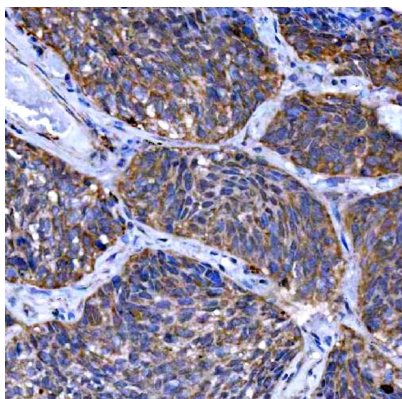
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl 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.

Bioinformation

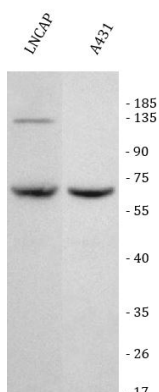
Gene Symbol	TMPRSS13
Gene Full Name	Transmembrane Serine Protease 13
Background	This gene encodes a member of the type II transmembrane serine protease family. The encoded protein contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Transmembrane serine proteases are regulated by protease inhibitors and known to function in development, homeostasis, infection, and tumorigenesis. This protein facilitates entry of viruses into host cells by proteolytically cleaving and activating viral envelope glycoproteins [provided by RefSeq, Aug 2021]
Function	Cleaves the proform of PRSS8/prostasin to form the active protein. [UniProt]
Calculated Mw	63 kDa
PTM	Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Cell membrane; Cytoplasm; Membrane; Secreted. [UniProt]

Images



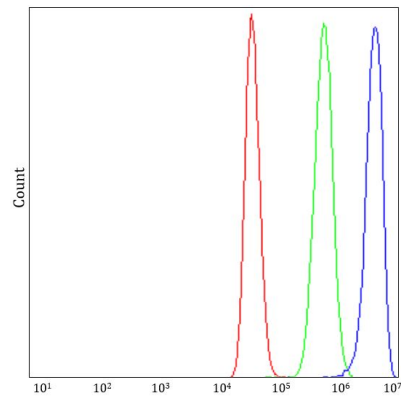
ARG45254 anti-TMPRSS13 antibody IHC-P image

Immunohistochemistry: Human esophageal squamous carcinoma stained with ARG45254 anti-TMPRSS13 antibody at 2 µg/ml dilution.



ARG45254 anti-TMPRSS13 antibody WB image

Western blot: LNCAP and A431 stained with ARG45254 anti-TMPRSS13 antibody at 0.5 µg/ml dilution.



ARG45254 anti-TMPRSS13 antibody FACS image

Flow Cytometry: MCF-7 stained with ARG45254 anti-TMPRSS13 antibody at $1\text{ }\mu\text{g}/10^6$ cells dilution.