

ARG45253 anti-TMC7 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes TMC7
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	TMC7
Species	Human
Immunogen	Recombinant protein containing to human TMC7.
Conjugation	Un-conjugated
Alternate Names	TMC7; Transmembrane Channel Like 7; Transmembrane Channel-Like Protein 7; FLJ21240

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	90 kDa	

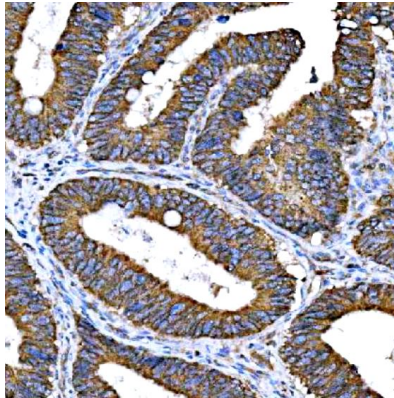
Properties

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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

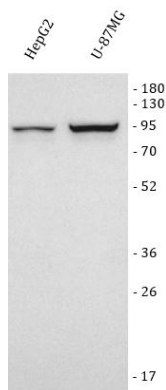
Gene Symbol	TMC7
Gene Full Name	Transmembrane Channel Like 7
Background	Predicted to enable ion channel inhibitor activity and mechanosensitive monoatomic ion channel activity. Predicted to be involved in sensory perception of mechanical stimulus. Predicted to be located in plasma membrane. Predicted to be active in neuronal cell body. [provided by Alliance of Genome Resources, Nov 2024]
Function	Acts as an inhibitory modulator of PIEZO2 mechanosensitive channel in dorsal root ganglion (DRG) neurons through physical interactions or interference with the interaction between PIEZO2 and the cytoskeleton.. [UniProt]
Calculated Mw	86 kDa
PTM	Glycoprotein ; Phosphoprotein. [UniProt]
Cellular Localization	Membrane. [UniProt]

Images



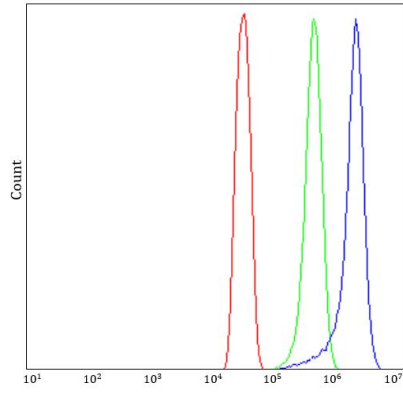
ARG45253 anti-TMC7 antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG45253 anti-TMC7 antibody at 2 $\mu\text{g}/\text{ml}$ dilution.



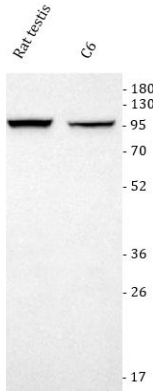
ARG45253 anti-TMC7 antibody WB image

Western blot: HepG2 and U-87MG stained with ARG45253 anti-TMC7 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



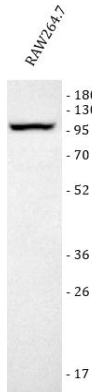
ARG45253 anti-TMC7 antibody FACS image

Flow Cytometry: SiHa stained with ARG45253 anti-TMC7 antibody at 1 µg/10⁶ cells dilution.



ARG45253 anti-TMC7 antibody WB image

Western blot: Rat testis and C6 stained with ARG45253 anti-TMC7 antibody at 0.5 µg/ml dilution.



ARG45253 anti-TMC7 antibody WB image

Western blot: RAW264.7 stained with ARG45253 anti-TMC7 antibody at 0.5 µg/ml dilution.