

ARG45318 anti-TMEM87A antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes TMEM87A
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	TMEM87A
Species	Human
Immunogen	Recombinant protein containing to human TMEM87A.
Conjugation	Un-conjugated
Alternate Names	TMEM87A; Transmembrane Protein 87A; ELKIN1; DKFZP564G2022; Elkin1

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	1-2 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	70 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.

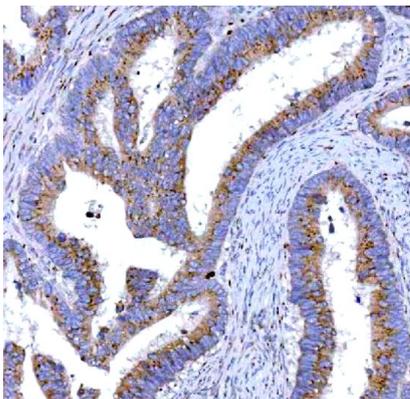
Note

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

Bioinformation

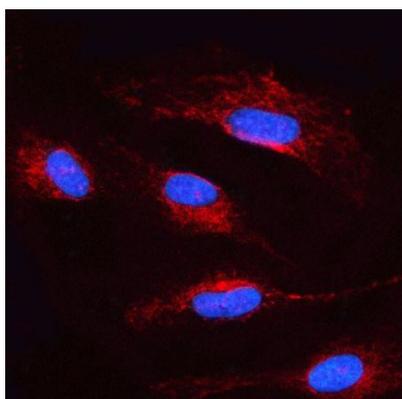
Gene Symbol	TMEM87A
Gene Full Name	Transmembrane Protein 87A
Background	Involved in cellular response to mechanical stimulus and detection of mechanical stimulus involved in sensory perception of touch. Acts upstream of or within retrograde transport, endosome to Golgi. Located in Golgi cisterna membrane; plasma membrane; and ruffle. [provided by Alliance of Genome Resources, Nov 2024]
Function	Potential monoatomic ion channel gated by mechanical force, implicated in normal touch sensitivity through the generation of mechanically activated current. [UniProt]
Calculated Mw	63 kDa
PTM	Disulfide bond; Glycoprotein; Phosphoprotein. [UniProt]
Cellular Localization	Cell membrane; Cell projection; Golgi apparatus; Membrane. [UniProt]

Images



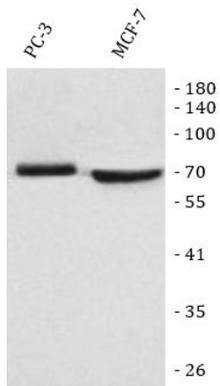
ARG45318 anti-TMEM87A antibody IHC-P image

Immunohistochemistry: Human colon adenocarcinoma stained with ARG45318 anti-TMEM87A antibody at 2 µg/ml dilution.



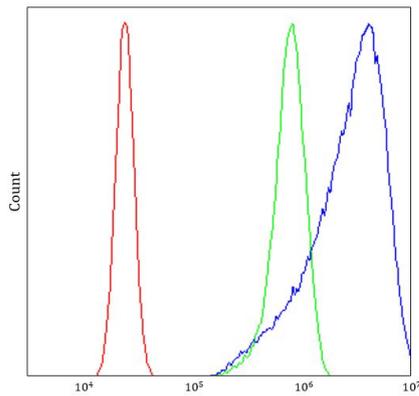
ARG45318 anti-TMEM87A antibody ICC/IF image

Immunofluorescence: U87 stained with ARG45318 anti-TMEM87A antibody at 5 µg/ml dilution.



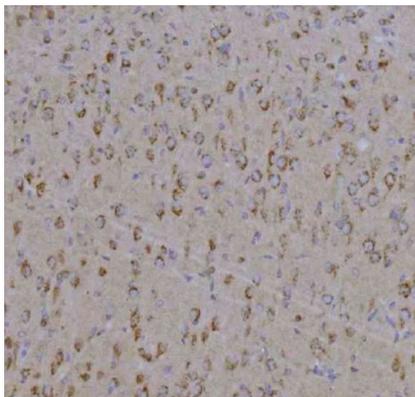
ARG45318 anti-TMEM87A antibody WB image

Western blot: PC-3 and MCF-7 stained with ARG45318 anti-TMEM87A antibody at 0.5 $\mu\text{g/ml}$ dilution.



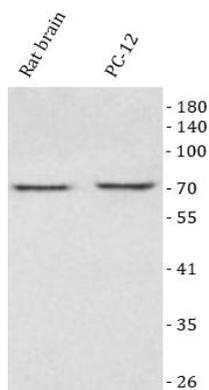
ARG45318 anti-TMEM87A antibody FACS image

Flow Cytometry: U2OS stained with ARG45318 anti-TMEM87A antibody at 1 $\mu\text{g}/10^6$ cells dilution.



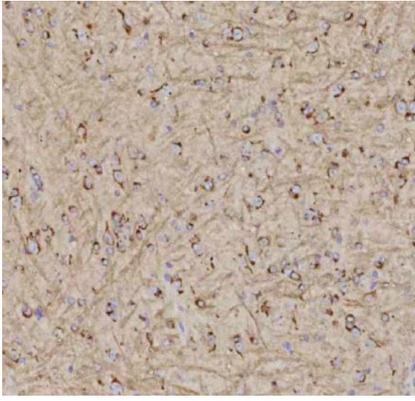
ARG45318 anti-TMEM87A antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45318 anti-TMEM87A antibody at 2 $\mu\text{g/ml}$ dilution.



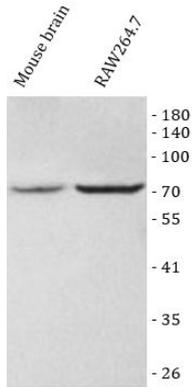
ARG45318 anti-TMEM87A antibody WB image

Western blot: Rat brain and PC-12 stained with ARG45318 anti-TMEM87A antibody at 0.5 $\mu\text{g/ml}$ dilution.



ARG45318 anti-TMEM87A antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45318 anti-TMEM87A antibody at 2 $\mu\text{g/ml}$ dilution.



ARG45318 anti-TMEM87A antibody WB image

Western blot: Mouse brain and RAW264.7 stained with ARG45318 anti-TMEM87A antibody at 0.5 $\mu\text{g/ml}$ dilution.