

## Anti-Ano1 Antibody (1J659)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1J659
Purification:	Protein A

### Applications

	Anti-ANO1 rabbit monoclonal antibody at 1:500 dilution. -Lane A: A549 Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary
Verified Activity:	-Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. -Developed using the ECL technique. -Performed under reducing conditions. -Predicted band size:114 kDa. -Observed band size:114 kDa
Application:	WB
Recommended	WB: 1:500-1:2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	A synthetic peptide: C-terminus of the Human Ano1
Antigen Species:	Human
Synonyms:	TMEM16A;ORAOV2;ANO1;INDMS;TAOS2;FLJ10261;MYMY7;DOG1

### Research Background

Anoctamin1 (Ano1 and TMEM16A) is a calcium-activated chloride channel specifically expressed in the interstitial cells of Cajal (ICC) of the gastrointestinal tract muscularis propria. Ano1 is a recently discovered Ca(2+)-activated Cl(-) channel expressed on interstitial cells of Cajal (ICC) that has been implicated in slow-wave activity in the gut. However, Ano1 is expressed on all classes of ICC, even those that do not contribute to generation of the slow wave, suggesting that Ano1 may have an alternate function in these cells. Ano1 is also highly expressed in gastrointestinal stromal tumors. Mice lacking Ano1 had fewer proliferating ICC in whole mount preparations and in culture, raising the possibility that Ano1 is involved in proliferation. Ano1 had less phosphorylated retinoblastoma protein compared with controls. Ano1 regulates proliferation at the G(1)/S transition of the cell cycle and may play a role in tumorigenesis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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