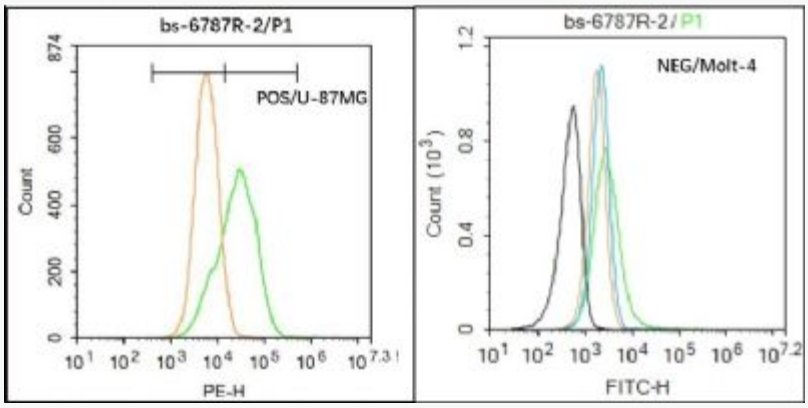
SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

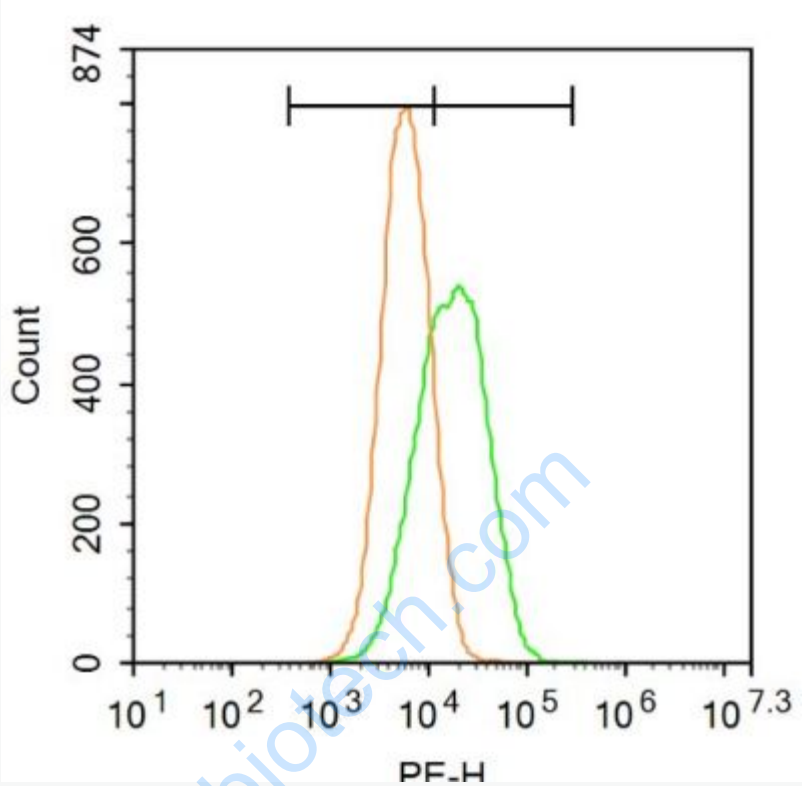
Rabbit Anti-SLC26A4 antibody

SL6787R

Product Name:	SLC26A4
Chinese Name:	钠碘单独TransporterSLC26A4抗体
Alias:	PDS; deafness, autosomal recessive 4; DFNB4; EVA; NSRD4; Pendred syndrome; Pendred syndrome homolog; Pendrin; S26A4_HUMAN; SLC26A4; Sodium independent chloride/iodide transporter; Sodium-independent chloride/iodide transporter; Solute carrier family 26 member 4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000Flow-Cyt=1ug/test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	93kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Solute carrier family 26 member 4:301-400/780<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene belongs to the solute carrier 26 family, whose members encode anion transporter proteins. This particular family member encodes a protein involved in transporting chloride, oxalate, sulfate and bicarbonate. Several alternatively spliced transcript variants of this gene, encoding distinct isoforms, have been described, but the

	full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]. **Function:** Sodium-independent transporter of chloride and iodide. **Subcellular Location:** Membrane; Multi-pass membrane protein. **Tissue Specificity:** High expression in adult thyroid, lower expression in adult and fetal kidney and fetal brain. Not expressed in other tissues. **DISEASE:** Defects in SLC26A4 are the cause of deafness autosomal recessive type 4 (DFNB4) [MIM:600791]; also known as vestibular aqueduct syndrome (EVA). DFNB4 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information. DFNB4 is associated with an enlarged vestibular aqueduct. **Similarity:** Belongs to the SLC26A/SulP transporter (TC 2.A.53) family. Contains 1 STAS domain. **SWISS:** O43511 **Gene ID:** 5172 **Database links:** UniProtKB/Swiss-Prot: O43511.1 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Black line : Positive blank control (U87MG); Negative blank control (Molt4） Green line : Primary Antibody (Rabbit Anti-SLC26A4 antibody (SL6787R)) Orange line：Isotype Control Antibody (Rabbit IgG) . Blue line : Secondary Antibody (Goat anti-rabbit IgG-PE)/(Goat anti-rabbit IgG-AF488) U87MG（Positive）and Molt4（Negative control）cells (black) were incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with SLC26A4 Antibody(SL6787R)at 1:50 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2% BSA in PBS, followed by secondary antibody(blue) incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).



Blank control: U87MG.

Primary Antibody (green line): Rabbit Anti-SLC26A4 antibody (SL6787R)

Dilution: 1μg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: 1μg /test.

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.