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Porimin Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58709

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q8N131
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21531
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Porimin
Epitope Specificity	101-180/208
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein.
SIMILARITY	Belongs to the CD164 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a highly glycosylated transmembrane protein with a high content of threonine and serine residues in its extracellular domain, similar to a broadly defined category of proteins termed mucins. Exposure of some cell types to anti PORIMIN (pro oncosis receptor inducing membrane injury) antibody, crosslinks this protein on the cell surface and induces a type of cell death termed oncosis. Oncosis is distinct from apoptosis and is characterized by a loss of cell membrane integrity without DNA fragmentation. This gene product is proposed to function as a cell surface receptor that mediates cell death.

Additional Information

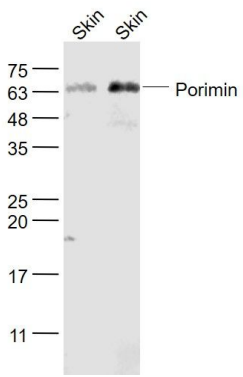
Gene ID	114908
Other Names	Porimin, Keratinocytes-associated transmembrane protein 3, KCT-3, Pro-oncosis receptor inducing membrane injury, Transmembrane protein 123, TMEM123, KCT3
Target/Specificity	Ubiquitous. Not expressed in ovary. Expressed in keratinocytes.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=2ug /Test,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

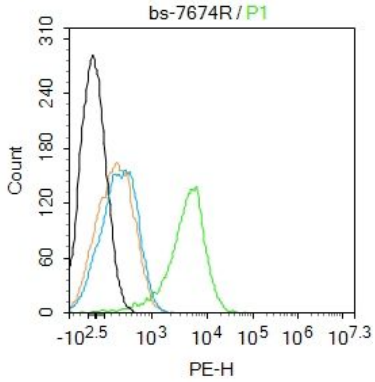
Protein Information

Name	TMEM123
Synonyms	KCT3
Function	Implicated in oncotic cell death, characterized by cell swelling, organelle swelling, vacuolization and increased membrane permeability.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Ubiquitous. Not expressed in ovary. Expressed in keratinocytes.

Images

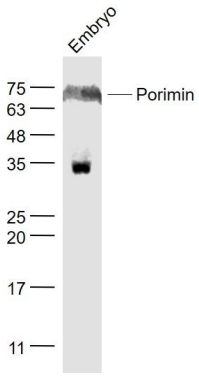


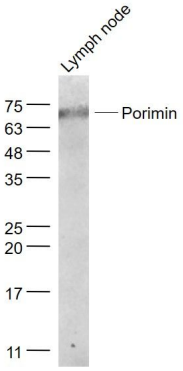
Sample:
Skin (Mouse) Lysate at 40 ug
Skin (Rat) Lysate at 40 ug
Primary: Anti- Porimin (AP58709) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 19 kD
Observed band size: 64 kD



Blank control:Molt4.
Primary Antibody (green line): Rabbit Anti-Porimin antibody (AP58709)
Dilution: 2 µg /10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG .
Secondary Antibody : Goat anti-rabbit IgG-PE
Dilution: 1 µg /test.
Protocol
The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min 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.

Sample:
Embryo (Mouse) Lysate at 40 ug
Primary: Anti- Porimin (AP58709) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 19 kD
Observed band size: 74 kD





Sample:
Lymph node (Mouse) Lysate at 40 ug
Primary: Anti- Porimin (AP58709) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 19 kD
Observed band size: 74 kD