Best Tools for immunology Research

LRRC8A/SWELL1 rabbit pAb

Catalog No :	YN7513
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	LRRC8A
Gene Name :	LRRC8A KIAA1437 LRRC8 UNQ221/PRO247
Protein Name :	Leucine-rich repeat-containing protein 8A
Human Gene Id :	56262
Human Swiss Prot No :	Q8IWT6
Mouse Gene Id :	241296
Mouse Swiss Prot No :	Q80WG5
Rat Gene Id :	311846
Rat Swiss Prot No :	Q4V8I7
Immunogen :	Synthesized peptide derived from human LRRC8A/SWELL1
Specificity :	This antibody detects endogenous levels of LRRC8A/SWELL1 at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	89kD
Function :	Essential component of the volume-regulated anion channel (VRAC, also named VSOAC channel), an anion channel required to maintain a constant cell volume in response to extracellular or intracellular osmotic changes . The VRAC channel conducts iodide better than chloride and can also conduct organic osmolytes like taurine . Mediates efflux of amino acids, such as aspartate and glutamate, in response to osmotic stress . LRRC8A and LRRC8D are required for the uptake of the drug cisplatin . In complex with LRRC8C or LRRC8E, acts as a transporter of immunoreactive cyclic dinucleotide GMP-AMP (2'-3'-cGAMP), an immune messenger produced in response to DNA virus in the cytosol: mediates both import and export of 2'-3'-cGAMP, thereby promoting transfer of 2'-3'-cGAMP to bystander cells . In contrast, complexes containing LRRC8D inhibit transport of 2'-3'-cGAMP . Required for in vivo channel acti
Subcellular Location :	Cell membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein . Mainly localizes to the cell membrane, with some intracellular localization to lysosomes. .
Expression :	Expressed in brain, kidney, ovary, lung, liver, heart, and fetal brain and liver. Found at high levels in bone marrow; lower levels are detected in peripheral blood cells. Expressed on T-cells as well as on B-lineage cells.

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