79 Store at -20C

LRRC8A/SWELL1 Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 85-105	Source: Rabbit	UniProt ID: #Q8IWT6	Entrez-Gene Id: 56262	
Product Usage Information	Ap	Application			Dilution		
	We	stern Blotting		1:1000			
	Imi	munoprecipitation		1:50			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity / Sensiti	ensitivity LRRC8A/SWELL1 Antibody recognizes endogenous levels of total LRRC8A protein.						
Source / Purificatio	resi		oxy terminus of mou	•	th a synthetic peptide co n. Antibodies are purified	, ,	
Background	prot anic VRA LRF LRF aga	Leucine-rich repeat containing 8 family member A (LRRC8A) belongs to the leucine-rich repeat family of proteins. It is also named SWELL1. LRRC8A forms a heteromeric complex called the volume regulated anion channel (VRAC) with other family members such as LRRC8B, LRRC8C, LRRC8D, or LRRC8E. VRAC maintains cell volume in response to extracellular or intracellular osmotic changes (1,2). The LRRC8A-containing VRAC complex senses ionic strength and is activated by hypotonic stress (3). LRRC8A is also involved in B cell development. Mutations in the <i>LRRC8A</i> gene causes agammaglobulinemia, which is a primary immunodeficiency characterized by severely low or absent serum antibodies and circulating B-cells (4).					
Background Refere	2. V 3. S	 Qiu, Z. et al. (2014) Cell 157, 447-58. Voss, F.K. et al. (2014) Science 344, 634-8. Syeda, R. et al. (2016) Cell 164, 499-511. Sawada, A. et al. (2003) J Clin Invest 112, 1707-13. 					

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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