

PVRIG Antibody

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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 30-40	Source/Isotype: Rabbit	UniProt ID: #Q6DKI7	Entrez-Gene Id: 79037
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Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	PVRIG Antibody recognizes endogenous levels of total PVRIG protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala318 of human PVRIG protein. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Poliovirus Receptor-Related Immunoglobulin Domain-Containing Protein (PVRIG; also known as CD112 receptor) is a multiple transmembrane protein expressed on the surface of T cells and NK cells, predominantly on memory and effector CD8 ⁺ T cells. PVRIG expression is upregulated after <i>in vitro</i> T cell activation with anti-CD3 and anti-CD28 antibodies. PVRIG competes with DNAM-1/CD226 for interaction with the receptor ligand Nectin-2. Upon ligation of PVRIG and Nectin-2, T cell proliferation is inhibited, suggesting PVRIG is a co-inhibitory receptor that dampens T cell functions (1).	
Background References	1. Zhu, Y. et al. (2016) <i>J Exp Med</i> 213, 167-76.	
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	W: Western Blotting	
Cross-Reactivity Key	H: Human	
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