

#13544 Store at -20°C

## PVR/CD155 (D3G7H) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H Mk	Endogenous	60-80 glycosylated 45-50 nonglycosylated	Rabbit IgG	#P15151	5817

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
<b>Specificity / Sensitivity</b>	PVR/CD155 (D3G7H) Rabbit mAb recognizes endogenous levels of total PVR (CD155) protein. Based on the protein sequence, this antibody is expected to recognize the α, β, γ, and δ isoforms of PVR (CD155) protein.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg172 of human PVR (CD155) protein.	
<b>Background</b>	Poliovirus receptor (PVR, CD155) is an immunoglobulin-like, transmembrane glycoprotein originally described as a mediator of poliovirus attachment to cells and later identified as important in adherens junction formation. Also known as nectin-like 5 (Nect-5), PVR binds nectin-3 and interacts with integrin αvβ3 and PDGFR to regulate integrin clustering and focal contact formation at the leading edge of migrating cells (1,2). Research studies demonstrate that PVR and nectin-3 regulate contact inhibition during cell motility and proliferation in transformed 3T3 cells (3). Additional research indicates that PVR (CD155, Nect-5) expression may play a role in invasiveness of lung adenocarcinoma (4,5). In the immune system, CD155 plays a role in natural killer (NK) cell-mediated cytotoxicity (6).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>1. Takai, Y. et al. (2008) <i>Nat Rev Mol Cell Biol</i> 9, 603-15.</li> <li>2. Sakisaka, T. et al. (2007) <i>Curr Opin Cell Biol</i> 19, 593-602.</li> <li>3. Minami, Y. et al. (2007) <i>Biochem Biophys Res Commun</i> 352, 856-60.</li> <li>4. Tane, S. et al. (2013) <i>Exp Mol Pathol</i> 94, 330-5.</li> <li>5. Nakai, R. et al. (2010) <i>Cancer Sci</i> 101, 1326-30.</li> <li>6. Stanietzky, N. and Mandelboim, O. (2010) <i>FEBS Lett</i> 584, 4895-900.</li> </ol>	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	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.
<b>Applications Key</b>	<b>WB:</b> Western Blotting
<b>Cross-Reactivity Key</b>	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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