

#93782 Store at -20C

**GPR37L1 (D8F5Q) Rabbit mAb****Cell Signaling**  
TECHNOLOGY®**Orders:** 877-616-CELL (2355)  
orders@cellsignal.com**Support:** 877-678-TECH (8324)**Web:** info@cellsignal.com  
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H	Endogenous	48	Rabbit IgG	#O60883	9283

<b>Product Usage Information</b>	<b>Application</b> Western Blotting	<b>Dilution</b> 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>	GPR37L1 (D8F5Q) Rabbit mAb recognizes endogenous levels of total GPR37L1 protein.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala53 of human GPR37L1 protein.	
<b>Background</b>	GPR37-like receptor (GPR37L1), also known as endothelin B receptor-like protein 2 (ETBR-LP-2) and GPCR/CNS2, is an orphan G protein coupled-receptor (1,2,3). GPR37L1 and its closely related receptor, GPR37, are endothelin receptor-like GPCRs that are highly expressed in the central nervous system. GPR37L1 is broadly expressed in the brain and regulates multiple neuronal functions, including cerebellar development (4). Studies also indicate that GPR37L1 and GPR37 may be receptors for prosaposin and prosaptide. Peptide-dependent modulation of GPR37L1 activity may regulate neuronal and glial survival, as prosaposin is known to exert neuroprotective, neurotrophic, and gliotrophic actions. (5,6).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>Leng, N. et al. (1999) <i>Brain Res Mol Brain Res</i> 69, 73-83.</li> <li>Zeng, Z. et al. (1997) <i>Biochem Biophys Res Commun</i> 233, 559-67.</li> <li>Valdenaire, O. et al. (1998) <i>FEBS Lett</i> 424, 193-6.</li> <li>Marazziti, D. et al. (2013) <i>Proc Natl Acad Sci U S A</i> 110, 16486-91.</li> <li>Meyer, R.C. et al. (2013) <i>Proc Natl Acad Sci U S A</i> 110, 9529-34.</li> <li>Misasi, R. et al. (2009) <i>Cent Nerv Syst Agents Med Chem</i> 9, 119-31.</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
<b>Trademarks and Patents</b>	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit <a href="http://cellsignal.com/trademarks">cellsignal.com/trademarks</a> for more information.
<b>Limited Uses</b>	<p>Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.</p> <p>Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the</p>

end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.