

Store at
-20C
#93782**GPR37L1 (D8F5Q) Rabbit mAb**

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: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 48	Source/Isotype: Rabbit IgG	UniProt ID: #O60883	Entrez-Gene Id: 9283
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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, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

GPR37L1 (D8F5Q) Rabbit mAb recognizes endogenous levels of total GPR37L1 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala53 of human GPR37L1 protein.

Background

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).

Background References

- Leng, N. et al. (1999) *Brain Res Mol Brain Res* 69, 73-83.
- Zeng, Z. et al. (1997) *Biochem Biophys Res Commun* 233, 559-67.
- Valdenaire, O. et al. (1998) *FEBS Lett* 424, 193-6.
- Marazziti, D. et al. (2013) *Proc Natl Acad Sci U S A* 110, 16486-91.
- Meyer, R.C. et al. (2013) *Proc Natl Acad Sci U S A* 110, 9529-34.
- Misasi, R. et al. (2009) *Cent Nerv Syst Agents Med Chem* 9, 119-31.

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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