

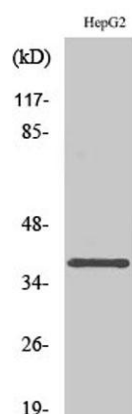
**L-type Ca<sup>++</sup> CP  $\gamma$ 7 rabbit pAb****Cat#: orb765603 (Manual)**

For research use only. Not intended for diagnostic use.

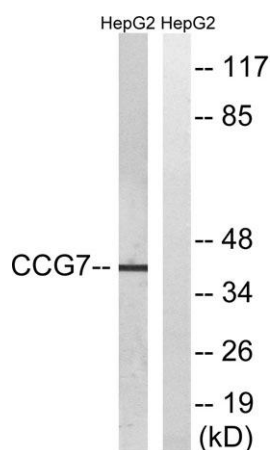
<b>Product Name</b>	L-type Ca <sup>++</sup> CP $\gamma$ 7 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CACNG7. AA range:198-247
<b>Specificity</b>	L-type Ca <sup>++</sup> CP $\gamma$ 7 Polyclonal Antibody detects endogenous levels of L-type Ca <sup>++</sup> CP $\gamma$ 7 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Voltage-dependent calcium channel gamma-7 subunit
<b>Gene Name</b>	CACNG7
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	40kD
<b>Human Gene ID</b>	59284
<b>Human Swiss-Prot Number</b>	P62955
<b>Alternative Names</b>	CACNG7; Voltage-dependent calcium channel gamma-7 subunit; Neuronal voltage-gated calcium channel gamma-7 subunit; Transmembrane AMPAR regulatory protein gamma-7; TARP gamma-7

**Background** calcium voltage-gated channel auxiliary subunit gamma 7(CACNG7) Homo sapiens The protein encoded by this gene is a type II transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type I TARP and a calcium channel gamma subunit. [provided by RefSeq, Dec 2010],



Western Blot analysis of various cells using L-type Ca<sup>++</sup> CP γ7 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from HepG2 cells, using CACNG7 Antibody. The lane on the right is blocked with the synthesized peptide.



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