



# Anti-OTOF (cytoplasmic domain) polyclonal antibody (DPABH-07861)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Key calcium ion sensor involved in the Ca(2+)-triggered synaptic vesicle-plasma membrane fusion and in the control of neurotransmitter release at these output synapses. Interacts in a calcium-dependent manner to the presynaptic SNARE proteins at ribbon synapses of cochlear inner hair cells (IHCs) to trigger exocytosis of neurotransmitter. Also essential to synaptic exocytosis in immature outer hair cells (OHCs). May also play a role within the recycling of endosomes.
<b>Immunogen</b>	Synthetic peptide from N terminal cytoplasmic region of Human Otoferlin conjugated to an immunogenic carrier protein.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Purification</b>	Whole antiserum
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, IHC-Fr
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Constituents: Whole serum, 1X PBS
<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Add glycerol to a final volume of 50%, aliquot and store at

-20°C. Avoid repeated freeze / thaw cycles.

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## GENE INFORMATION

Gene Name	<a href="#">OTOF otoferlin [ Homo sapiens ]</a>
Official Symbol	OTOF
Synonyms	OTOF; otoferlin; AUNB1; DFNB6; DFNB9; NSRD9; FER1L2; fer-1-like protein 2;
Entrez Gene ID	<a href="#">9381</a>
Protein Refseq	<a href="#">NP_001274418.1</a>
UniProt ID	<a href="#">Q9HC10</a>
Function	calcium ion binding; molecular_function;