



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

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	Synthetic peptide from N terminal cytoplasmic region of Human Otoferlin conjugated to an immunogenic carrier protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Whole antiserum
Conjugate	Unconjugated
Applications	WB, IHC-P, IHC-Fr
Format	Liquid
Size	100 µl
Buffer	Constituents: Whole serum, 1X PBS
Preservative	None
Storage	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.

GENE INFORMATION

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