Datasheet for ABIN655934

anti-Otopetrin 1 antibody (AA 360-388)

3 Images

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Overview

Quantity:	400 µL
Target:	Otopetrin 1 (OTOP1)
Binding Specificity:	AA 360-388
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Otopetrin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This OTOP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 360-388 amino acids from the Central region of human OTOP1.
Clone:	RB29945
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Otopetrin 1 (OTOP1)
Alternative Name:	OTOP1 (OTOP1 Products)

Target Details

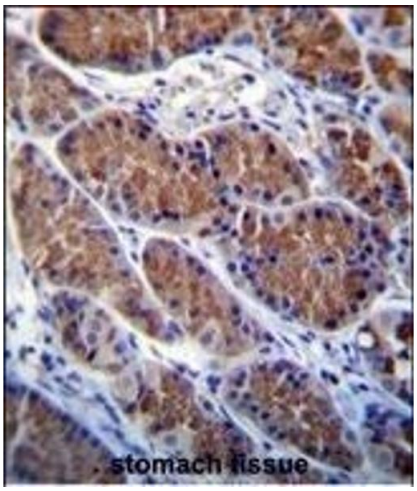
Background:	OTOP1 is required for normal formation of otoconia in the inner ear. Inhibits P2Y purinoceptors. Modulates calcium homeostasis and influx of calcium in response to extracellular ATP (By similarity).
Molecular Weight:	67353
Gene ID:	133060
NCBI Accession:	NP_819056
UniProt:	Q7RTM1

Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

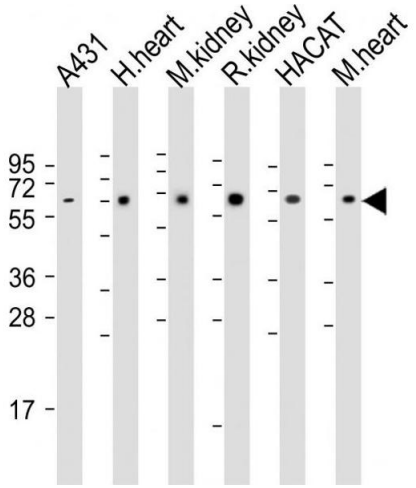
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



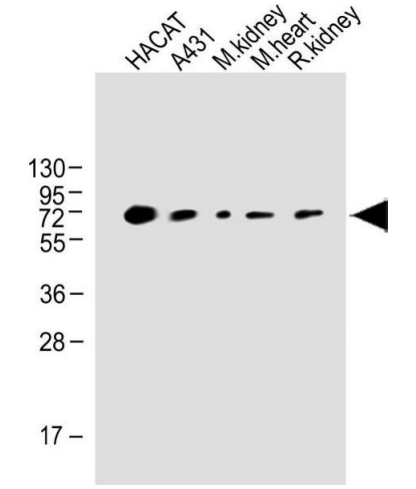
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. OTOP1 Antibody (Center) (ABIN655934 and ABIN2845326) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of OTOP1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. All lanes : Anti-OTOP1 Antibody (Center) at 1:1000 dilution Lane 1: A431 whole cell lysate Lane 2: Human heart whole tissue lysate Lane 3: Mouse kidney whole tissue lysate Lane 4: Rat kidney whole tissue lysate Lane 5: HACAT whole cell lysate Lane 6: Mouse heart whole tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. All lanes : Anti-OTOP1 Antibody (Center) at 1:1000 dilution Lane 1: HACAT whole cell lysate Lane 2: A431 whole tissue lysate Lane 3: Mouse kidney whole tissue lysate Lane 4: Mouse heart whole tissue lysate Lane 5: Rat kidney whole cell lysate Lane Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.