



[Go to Product page](#)

Datasheet for ABIN3042941

## anti-Flotillin 1 antibody (Middle Region)

1 Image

1 Publication

### Overview

Quantity:	100 µg
Target:	Flotillin 1 (FLOT1)
Binding Specificity:	AA 219-234, Middle Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Flotillin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Purpose:	Rabbit IgG polyclonal antibody for Flotillin-1(FLOT1) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human Flotillin 1(219-234aa KKAAYDIEVNTRRAQA), different from the related rat and mouse sequences by one amino acid.
Sequence:	KKAAYDIEVN TRRAQA
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

## Product Details

---

Characteristics: Rabbit IgG polyclonal antibody for Flotillin-1(FLOT1) detection. Tested with WB in Human,Mouse,Rat.  
Gene Name: flotillin 1  
Protein Name: Flotillin-1

---

Purification: Immunogen affinity purified.

---

## Target Details

---

Target: Flotillin 1 (FLOT1)

---

Alternative Name: FLOT1 ([FLOT1 Products](#))

---

Background: FLOT1(Flotillin 1), is a protein that in humans is encoded by the FLOT1 gene. The International Radiation Hybrid Mapping Consortium mapped the FLOT1 gene to chromosome 6. Bickel et al.(1997) found that mouse Flot1 behaves as a resident integral membrane protein of caveolae. It consistently copurified with Flot2 and with caveolin-1 in the purification of caveolin-rich membranes. Hazarika et al.(1999) found that stable transfection of Flot1, which they called ESA/flotillin-2, in COS-1 cells induced filopodia formation and changed the epithelial morphology to that of neuronal cells. Santamaria et al.(2005) found that prostate tumor overexpressed gene-1 interacted with flotillin-1 in detergent-insoluble membrane fractions. Flotillin-1 colocalized with PTOV1 at the plasma membrane and in the nucleus, and it entered the nucleus concomitant with PTOV1 shortly before initiation of S phase.

Synonyms: FLOT 1 antibody|FLOT1 antibody|FLOT1\_HUMAN antibody|Flotillin-1 antibody|Flotillin1 antibody|Integral membrane component of caveolae antibody|Reggie 2 antibody

---

UniProt: [075955](#)

---

## Application Details

---

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, The detection limit for FLOT1 is approximately 0.5 ng/lane under reducing conditions.  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.  
Other applications have not been tested. Optimal dilutions should be determined by end users.

---

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

---

Restrictions: For Research Use only

---

## Handling

---

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

## Publications

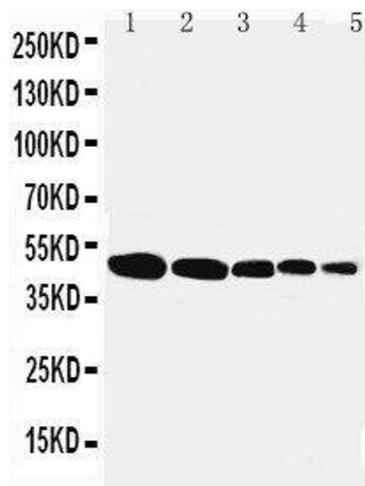
---

Product cited in:	<p>Ostermann, Seeliger, David, Flasche, Maus, Reinboth, Christmann, Neumann, Brand, Seltmann, Bühling, Paton, Roth, Vogl, Viemann, Welte, Maus: "S100A9 is indispensable for survival of pneumococcal pneumonia in mice." in: <b>PLoS pathogens</b>, Vol. 19, Issue 7, pp. e1011493, (2023) (<a href="#">PubMed</a>).</p> <p>Ostermann, Maus, Stolper, Schütte, Katsarou, Tumpara, Pich, Mueller, Janciauskiene, Welte, Maus: "Alpha-1 antitrypsin deficiency impairs lung antibacterial immunity in mice." in: <b>JCI insight</b>, Vol. 6, Issue 3, (2021) (<a href="#">PubMed</a>).</p> <p>Hu, Wang, Rao, Zhao, Yang, Hu, He, Xia, Liu, Zhen, Di, Xie, Xia, Zhu: "Alterations in the endometrium of rats, rabbits, and Macaca mulatta that received an implantation of copper/low-density polyethylene nanocomposite." in: <b>International journal of nanomedicine</b>, Vol. 9, pp. 1127-38, (2015) (<a href="#">PubMed</a>).</p> <p>Zhou, Chen, Jiang, Feng, Han: "Effects of bone marrow-derived mesenchymal stem cells transfected with survivin on pulmonary fibrosis in mice." in: <b>Experimental and therapeutic</b></p>
-------------------	--

**medicine**, Vol. 10, Issue 5, pp. 1857-1864, (2015) ([PubMed](#)).

Wu, You, Ma, Li, Yuan, Li, Ye, Liu, Yao, Chen, Lai, Yang: "Role of transient receptor potential ion channels and evoked levels of neuropeptides in a formaldehyde-induced model of asthma in BALB/c mice." in: **PLoS ONE**, Vol. 8, Issue 5, pp. e62827, (2013) ([PubMed](#)).

Images



**Western Blotting**

**Image 1.** Anti-Flotillin 1 antibody, Western blotting Lane 1: Rat Lung Tissue Lysate Lane 2: Rat Brain Tissue Lysate Lane 3: Rat Ovary Tissue Lysate Lane 4: SMMC Cell Lysate Lane 5: MFC-7 Cell Lysate