

Datasheet for ABIN1169227

anti-ARHGEF7 antibody[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 µg
Target:	ARHGEF7
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant beta-Pix SH3 domain.
Specificity:	Recognizes the multiple splice variants of human, mouse and rat beta-Pix a, b, bL, c and d-isoforms.
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Cross-Reactivity (Details):	Cross-reacts with human and rat beta-Pix.
Sterility:	0.2 µm filtered

Target Details

Target:	ARHGEF7
Alternative Name:	beta-Pix (ARHGEF7 Products)
Background:	Beta-PIX acts as a RAC1 guanine nucleotide exchange factor (GEF) and can induce membrane ruffling. It interacts with PAK kinases through the SH3 domain. It may function as a positive regulator of apoptosis and is involved in cell migration. It is expressed with high levels in the

Target Details

central nervous system.

UniProt: [Q9ES28](#)

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [EGFR Downregulation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

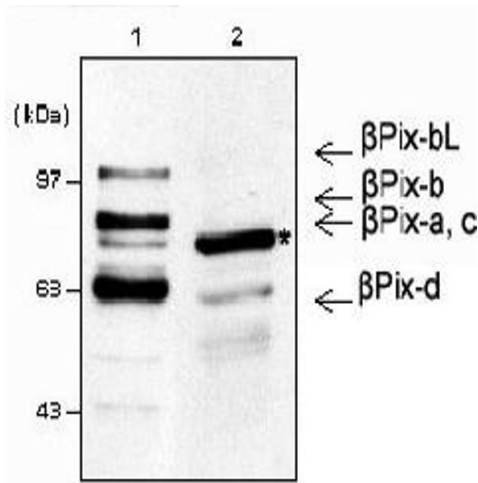
Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months

Publications

Product cited in: Zhang, Zhuang, Wu, Chen, Wang, Li, Wu: "A novel role of endocan in alleviating LPS-induced acute lung injury." in: **Life sciences**, Vol. 202, pp. 89-97, (2018) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using anti- β -Pix (mouse), pAb . 1: Mouse brain lysates (30 μ g). 2: NIH3T3 whole cell lysates (30 μ g). * β -Pix is a major isoform in NIH3T3 lysates, while other β -Pix isoforms are also detected in mouse brain lysates.