Datasheet for ABIN2784880
anti-EXOC3 antibody (Middle Region)

1	Image

Overview

Quantity:	100 µL
Target:	EXOC3
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EXOC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human EXOC3
Sequence:	LERTVTTRIE GTQADTRESD KMWLVRHLEI IRKYVLDDLI VAKNLMVQCF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against EXOC3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	EXOC3

Target Details

Alternative Name:	EXOC3 (EXOC3 Products)
Background:	EXOC3 is a component of the exocyst complex, a multiple protein complex essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. Though best characterized in yeast, the component proteins and functions of exocyst complex have been demonstrated to be highly conserved in higher eukaryotes. At least eight components of the exocyst complex, including this protein, are found to interact with the actin cytoskeletal remodeling and vesicle transport machinery. The complex is also essential for the biogenesis of epithelial cell surface polarity.The protein encoded by this gene is a component of the exocyst complex, a multiple protein complex essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. Though best characterized in yeast, the component proteins and functions of exocyst complex have been demonstrated to be highly conserved in higher eukaryotes. At least eight components of the exocyst complex, including this protein, are found to interact with the actin cytoskeletal remodeling and vesicle transport machinery. The complex is also essential for the biogenesis of epithelial cell surface polarity. Alias Symbols: SEC6, SEC6L1, Sec6p Protein Interaction Partner: UBC, INPP5K, PRPF19, KIAA0907, EGFR, EXOC4, BUB3, MLH1, EXOC8, EXOC2, EXOC6, EXOC5, APP, MYO5A, Poc1b, RALA, GRIN2B, DLG3, Protein Size: 745
Molecular Weight:	85 kDa
Gene ID:	11336
NCBI Accession:	NM_007277, NP_009208
UniProt:	Q6P2E8
Pathways:	Peptide Hormone Metabolism, Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 745 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

Western Blotting

Image 1. WB Suggested Anti-EXOC3 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Hela cell lysate