BT LAB
Bioassay Technology Laboratory
Optimize Your Research

ARHGAP11A Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00596
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ARHGAP11A. AA range:471-520
Mol wt	113866
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	ARHGAP11A Antibody
Synonyms	ARHGAP11A; KIAA0013; Rho GTPase-activating protein 11A; Rho-type GTPase-activating protein 11A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

GTPase-activating proteins (GAPs) accelerate the intrinsic rate of GTP hydrolysis of Ras-related proteins, resulting in downregulation of their active form. ARHGAP11A (Rho GTPase activating protein 11A), also known as KIAA0013 or MGC70740, is a 1,023 amino acid protein that contains one helical Rho-GAP domain and is encoded by a gene located on human chromosome 15. Defects in the gene encoding ARHGAP11A may cause mental retardation. Human chromosome 15 encodes over 700 genes and comprises nearly 3% of the human genome. Angelman and Prader-Willi syndromes are associated with loss of function or deletion of genes in the 15q11-q13 region. In the case of Angelman syndrome, this loss is due to inactivity of the maternal 15q11-q13 encoded UBE3A gene in the brain by either chromosomal deletion or mutation. In cases of Prader-Willi syndrome, there is a partial or complete deletion of this region from the paternal copy of chromosome 15. Tay-Sachs disease is a lethal disorder associated with mutations of the HEXA gene, which is encoded by chromosome 15. Marfan syndrome is associated with chromosome 15 through the FBN1 gene.

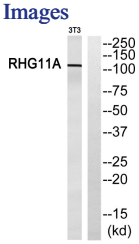
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 40000

Not yet tested in other applications.

Images



Western blot analysis of ARHGAP11A Antibody. The lane on the right is blocked with the ARHGAP11A peptide.

Storage

-20°C for one year

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