

Datasheet for ABIN654901
anti-AGAP2 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	AGAP2
Binding Specificity:	AA 850-877, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGAP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CENTG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 850-877 amino acids from the C-terminal region of human CENTG1.
Clone:	RB19565
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	AGAP2
Alternative Name:	CENTG1 (AGAP2 Products)

Target Details

Background: GTPase-activating protein (GAP) for ARF1 and ARF5, which also shows strong GTPase activity. Isoform 1 participates in the prevention of neuronal apoptosis by enhancing PI3 kinase activity. It aids the coupling of metabotropic glutamate receptor 1 (GRM1) to cytoplasmic PI3 kinase by interacting with Homer scaffolding proteins, and also seems to mediate anti-apoptotic effects of NGF by activating nuclear PI3 kinase. Isoform 2 does not stimulate PI3 kinase but may protect cells from apoptosis by stimulating Akt. It also regulates the adapter protein 1 (AP-1)-dependent trafficking of proteins in the endosomal system. It seems to be oncogenic. It is overexpressed in cancer cells, prevents apoptosis and promotes cancer cell invasion.

Molecular Weight: 124674

Gene ID: 116986

NCBI Accession: [NP_001116244](#), [NP_055585](#)

UniProt: [Q99490](#)

Application Details

Application Notes: WB: 1:2000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

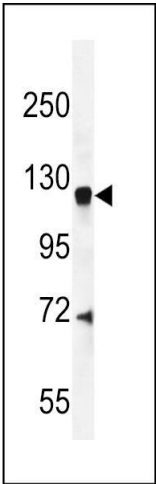
Preservative: Sodium azide

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

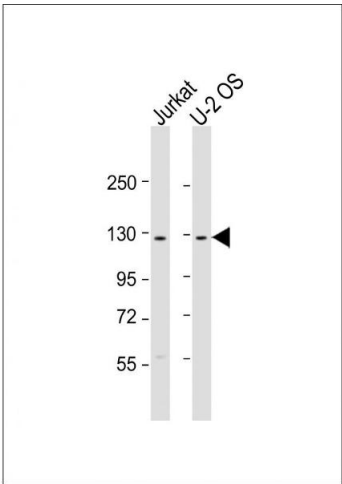
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. CENTG1 Antibody (C-term) (ABIN654901 and ABIN2844549) western blot analysis in mouse brain tissue lysates (35 µg/lane). This demonstrates the CENTG1 antibody detected the CENTG1 protein (arrow).



Western Blotting

Image 2. All lanes : Anti-CENTG1 Antibody (C-term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: U-2 OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 125 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.