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Datasheet for ABIN4999902

## anti-AGAP2 antibody (AA 981-1080) (AbBy Fluor® 750)

### Overview

Quantity:	100 µL
Target:	AGAP2
Binding Specificity:	AA 981-1080
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGAP2 antibody is conjugated to AbBy Fluor® 750
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Centaurin gamma 1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	AGAP2
Alternative Name:	Centaurin gamma 1 ( <a href="#">AGAP2 Products</a> )

## Target Details

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**Background:** Synonyms: Centaurin gamma 1, ANK repeat and PH domain-containing protein 2, AGAP-2, Agap2, Agap2 ArfGAP with GTPase domain, ankyrin repeat and PH domain 2, AGAP2\_HUMAN, ANK repeat and PH domains 2, Arf GAP with GTP binding protein like, Arf GAP with GTP-binding protein-like, ANK repeat and PH domains 2, Arf GAP with GTP-binding protein-like, ankyrin repeat and pleckstrin homology domains 2, Arf-GAP with GTPase, Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2, ArfGAP with GTPase domain, ankyrin repeat and PH domain 2, centaurin gamma1, Centaurin-gamma-1, Centg1, cnt g1, Cnt-g1, Cnt2, GGAP2, GTP binding and GTPase activating protein 2, GTP-binding and GTPase activating protein 2, GTP-binding and GTPase-activating protein 2, Nuclear GTPase PIKE, Phosphatidylinositol-3-kinase enhancer, Phosphoinositide 3 kinase enhancer, PI3K ENHANCER, PIKE.

**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.

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

## Handling

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handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months