

## Product datasheet for **CF504204**

### AGAP1 Mouse Monoclonal Antibody [Clone ID: OTI4E8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4E8
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human AGAP1(NP_055729) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1
Database Link:	<a href="#">NP_055729</a> <a href="#">Entrez Gene 316611 Rat</a> <a href="#">Entrez Gene 347722 Mouse</a> <a href="#">Entrez Gene 116987 Human</a> <a href="#">Q9UPQ3</a>



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**Background:**

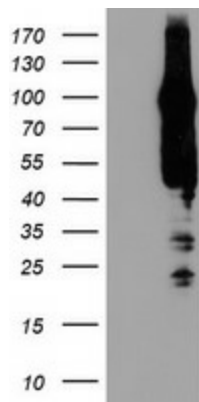
This gene encodes a member of an ADP-ribosylation factor GTPase-activating protein family involved in membrane trafficking and cytoskeleton dynamics. This gene functions as a direct regulator of the adaptor-related protein complex 3 on endosomes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

**Synonyms:**

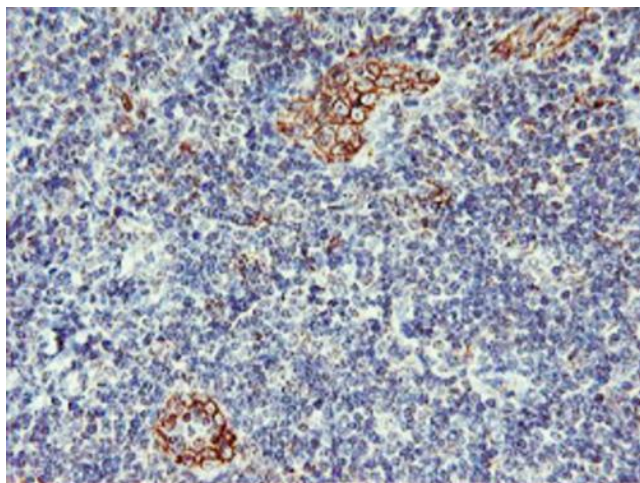
AGAP-1; CENTG2; cnt-g2; GGAP1

**Protein Pathways:**

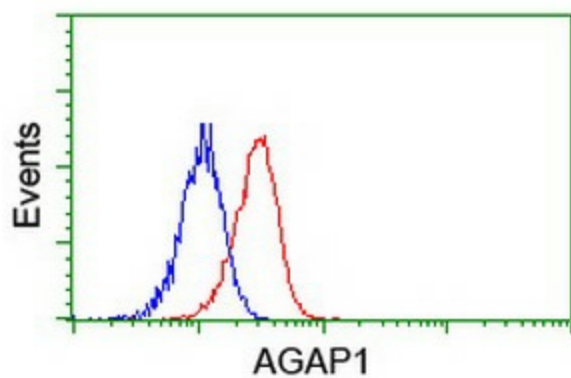
Endocytosis

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY AGAP1 (Cat# [RC214836], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AGAP1 (Cat# [TA504204]). Positive lysates [LY402388] (100ug) and [LC402388] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-AGAP1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504204])



Flow cytometric Analysis of Jurkat cells, using anti-AGAP1 antibody ([TA504204]), (Red), compared to a nonspecific negative control antibody, (Blue).