

Goat Anti-GRAF / ARHGAP26 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1503a**Specification**

Goat Anti-GRAF / ARHGAP26 Antibody - Product Information

Application	WB
Primary Accession	O9UNA1
Other Accession	NP_001129080 , 23092 , 71302 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	92235

Goat Anti-GRAF / ARHGAP26 Antibody - Additional Information**Gene ID** 23092**Other Names**

Rho GTPase-activating protein 26, GTPase regulator associated with focal adhesion kinase, Oligophrenin-1-like protein, Rho-type GTPase-activating protein 26, ARHGAP26, GRAF, KIAA0621, OPHN1L

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

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.

Precautions

Goat Anti-GRAF / ARHGAP26 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-GRAF / ARHGAP26 Antibody - Protein Information**Name** ARHGAP26**Synonyms** GRAF, KIAA0621, OPHN1L**Function**

GTPase-activating protein for RHOA and CDC42. Facilitates mitochondrial quality control by promoting Parkin-mediated recruitment of autophagosomes to damaged mitochondria

(PubMed:38081847). Negatively regulates the growth of human parainfluenza virus type 2 by inhibiting hPIV-2-mediated RHOA activation via interaction with two of its viral proteins P and V (PubMed:27512058).

Cellular Location

[Isoform 2]: Endosome membrane. Note=Colocalized with RAB8A, RAB8B and RAB10 on endosomal tubules.

Goat Anti-GRAF / ARHGAP26 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-GRAF / ARHGAP26 Antibody - Images



AF1503a (0.3 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-GRAF / ARHGAP26 Antibody - Background

Interaction of a cell with the extracellular matrix triggers integrin cell surface receptors to begin signaling cascades that regulate the organization of the actin-cytoskeleton. One of the proteins involved in these cascades is focal adhesion kinase. The protein encoded by this gene is a GTPase activating protein that binds to focal adhesion kinase and mediates the activity of the GTP binding proteins RhoA and Cdc42. Defects in this gene are a cause of juvenile myelomonocytic leukemia (JMML). Two transcript variants encoding different isoforms have been found for this gene.

Goat Anti-GRAF / ARHGAP26 Antibody - References

Decreased expression of GRAF1/OPHN-1-L in the X-linked alpha thalassemia mental retardation syndrome. Barresi V, et al. BMC Med Genomics, 2010 Jul 6. PMID 20602808.

[Quantification of GRAF gene expression in patients with acute myeloid leukemia using EvaGreen real time quantitative PCR] Qian Z, et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi, 2010 Jun. PMID 20533268.

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

Aberrant methylation of GTPase regulator associated with the focal adhesion kinase (GRAF) promoter is an adverse prognostic factor in myelodysplastic syndrome. Qian J, et al. Eur J Haematol, 2010 Aug. PMID 20374274.

Dissecting the thermodynamics of GAP-RhoA interactions. Jelen F, et al. J Struct Biol, 2009 Jan. PMID 18929667.