



## Rabbit Anti-GRAF antibody

SL11248R

<b>Product Name:</b>	GRAF
<b>Chinese Name:</b>	Rho GTP酶激活蛋白26抗体
<b>Alias:</b>	arhgap 26; ARHGAP26; FLJ42530; GRAF; GRAF1; GTPase regulator associated with focal adhesion kinase; GTPase regulator associated with focal adhesion kinase pp125(FAK); KIAA0621; oligophrenin 1 like protein; Oligophrenin-1-like protein; oligophrenin1like protein; OPHN1L; OPHN1L1; RHG26_HUMAN; Rho GTPase activating protein 26; Rho GTPase activating protein26; Rho GTPase-activating protein 26; Rho-type GTPase-activating protein 26.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	92kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human GRAF1:1-100/814
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Cellular signaling by G-proteins is down-regulated by GTPase-activating proteins (GAPs), which increase the rate of GTP hydrolysis. The GTPase regulator associated

with focal adhesion kinase (GRAF) has GAP activity toward Rho A and Cdc42, but not Rac1. GRAF is ubiquitously expressed with high levels in heart and brain. Expression of GRAF causes clearing of stress fibers and formation of long actin based filopodial-like extensions. Fusion of MLL with GRAF, MLL/GRAF, is included in a rare genetic subgroup of acute myeloid leukemia (AML) cases.

**Function:**

GTPase-activating protein for RHOA and CDC42.

**Subunit:**

Interacts with NYAP1, NYAP2 and MYO16 (By similarity). Binds to the C-terminus of PTK2/FAK1.

**Subcellular Location:**

Cell junction; focal adhesion. Cytoplasm; cytoskeleton. Colocalizes with actin stress fibers and cortical actin structures.

**DISEASE:**

Defects in ARHGAP26 are a cause of juvenile myelomonocytic leukemia (JMML) [MIM:607785]. JMML is a pediatric myelodysplastic syndrome that constitutes approximately 30% of childhood cases of myelodysplastic syndrome (MDS) and 2% of leukemia. Chromosomal translocation t(5;11)(q31;q23) with MLL has been found in a JMML patient.

**Similarity:**

Contains 1 PH domain. Contains 1 Rho-GAP domain. Contains 1 SH3 domain.

**SWISS:**

Q9UNA1

**Gene ID:**

23092

**Database links:**

[Entrez Gene: 23092](#) Human

[Entrez Gene: 71302](#) Mouse

[Entrez Gene: 307459](#) Rat

[Omim: 605370](#) Human

[SwissProt: Q9UNA1](#) Human

[SwissProt: Q6ZQ82](#) Mouse

[Unigene: 654668](#) Human

[Unigene: 329396](#) Mouse

[Unigene: 214162](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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