

Gcom1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13334**Specification**

Gcom1 antibody - middle region - Product Information

Application	WB
Primary Accession	POCAP1
Other Accession	NM_001018091 , NP_001018101
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52kDa KDa

Gcom1 antibody - middle region - Additional Information**Gene ID** 100820829;145781;81488**Alias Symbol** FLJ30973, GRINL1A, Gcom2, Gup1, Gup2, MGC126694, MGC138353, gcom, MYZAP-POLR2M**Other Names**

Myocardial zonula adherens protein, GRINL1A upstream protein, Gup, MYZAP, MYOZAP

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Gcom1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Gcom1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Gcom1 antibody - middle region - Protein Information**Name** MYZAP**Synonyms** MYOZAP**Function**

Plays a role in cellular signaling via Rho-related GTP- binding proteins and subsequent activation of transcription factor SRF (By similarity). Targets TJP1 to cell junctions. In cortical neurons, may play a role in glutamnergic signal transduction through interaction with the NMDA receptor subunit

GRIN1 (By similarity).

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q5EB94}. Cell membrane {ECO:0000250|UniProtKB:Q5EB94}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q5EB94}; Cytoplasmic side {ECO:0000250|UniProtKB:Q5EB94}. Cytoplasm, myofibril, sarcomere, I band {ECO:0000250|UniProtKB:Q5EB94}. Cytoplasm, myofibril, sarcomere, Z line {ECO:0000250|UniProtKB:Q5EB94}. Cell junction Note=Detected predominantly at the intercalated disk in cardiomyocytes, and at low levels on sarcomeric Z disks. Colocalizes with F-actin Colocalizes with cortical actin. {ECO:0000250|UniProtKB:Q5EB94}

Tissue Location

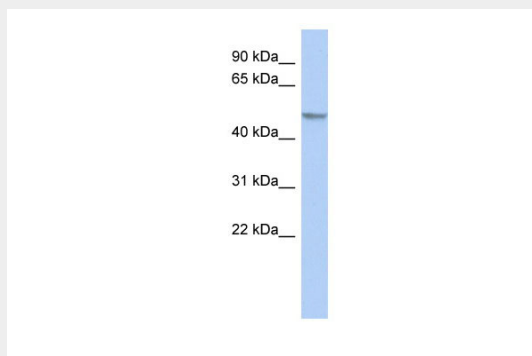
Detected in heart, liver, skeletal muscle, placenta, small intestine, lung, prostate and testis. Expressed in arrector pili muscle (at protein level) (PubMed:29034528)

Gcom1 antibody - middle region - 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](#)

Gcom1 antibody - middle region - Images

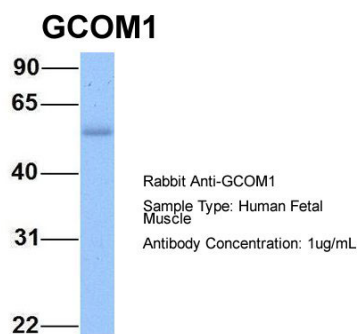


WB Suggested Anti-Gcom1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: COLO205 cell lysate

Gcom1 is strongly supported by BioGPS gene expression data to be expressed in Human COLO205 cells



Host:Rabbit

Target Name:GCOM1

Sample Tissue:Human Fetal Muscle

Antibody Dilution: 1.0µg/ml

Gcom1 antibody - middle region - References

Roginski R.S.,et al.Genomics 84:265-276(2004).

Seeger T.S.,et al.Circ. Res. 106:880-890(2010).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Zody M.C.,et al.Nature 440:671-675(2006).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.