

GAS2L2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11417b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8NHY3
Other Accession	NP_644814.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29462
Calculated MW	96520
Antigen Region	763-791

Additional Information

Gene ID	246176
Other Names	GAS2-like protein 2, GAS2-related protein on chromosome 17, Growth arrest-specific protein 2-like 2, GAS2L2, GAR17
Target/Specificity	This GAS2L2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 763-791 amino acids from the C-terminal region of human GAS2L2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GAS2L2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GAS2L2
Synonyms	GAR17

Function	Involved in the cross-linking of microtubules and microfilaments (PubMed: 12584248 , PubMed: 24706950). Regulates microtubule dynamics and stability by interacting with microtubule plus-end tracking proteins, such as MAPRE1, to regulate microtubule growth along actin stress fibers (PubMed: 24706950). Enhances ADORA2- mediated adenylyl cyclase activation by acting as a scaffold to recruit trimeric G protein complexes to ADORA2A (By similarity). Regulates ciliary orientation and performance in cells located in the airway (PubMed: 30665704).
Cellular Location	Cytoplasm, cytoskeleton. Cell membrane {ECO:0000250 UniProtKB:Q5SSG4}. Cytoplasm, cytoskeleton, stress fiber. Cytoplasm, cytoskeleton, cilium basal body. Note=Colocalizes with ADORA2A at neuronal processes (By similarity). Colocalizes with and tracks the tips of microtubule plus ends (PubMed:24706950) {ECO:0000250 UniProtKB:D3ZUE1, ECO:0000269 PubMed:24706950}
Tissue Location	Expressed in bronchial and nasal epithelial cells (at protein level) (PubMed:30665704). Expressed in brain, kidney, lung, testis, fallopian tubes, and skeletal muscle (PubMed:12584248, PubMed:30665704). Expressed at low levels in stomach and colon (PubMed:30665704).

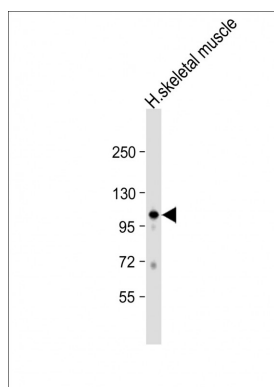
Background

Seems to be involved in the cross-linking of microtubules and microfilaments.

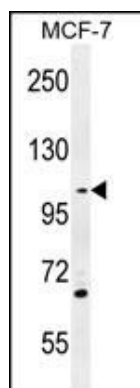
References

Goriounov, D., et al. J. Cell. Sci. 116 (PT 6), 1045-1058 (2003) :

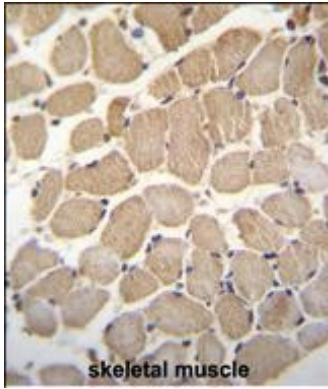
Images



Anti-GAS2L2 Antibody (C-term) at 1:1000 dilution + human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 97 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GAS2L2 Antibody (C-term) (Cat. #AP11417b) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the GAS2L2 antibody detected the GAS2L2 protein (arrow).



GAS2L2 Antibody (C-term) (Cat. #AP11417b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GAS2L2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.