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FLII antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13665

Product Information

Application	WB, IHC
Primary Accession	Q13045
Other Accession	NM_002018, NP_002009
Reactivity	Human, Mouse, Rat, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Zebrafish, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	144751

Additional Information

Gene ID	2314
Alias Symbol	FLI, FLIL, Fli1, MGC39265
Other Names	Protein flightless-1 homolog, FLII, FLIL
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-FLII 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	FLII antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

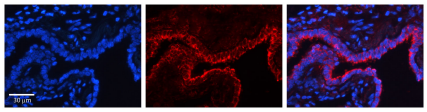
Name	FLII
Synonyms	FLIL
Function	Is a regulator of actin polymerization, required for proper myofibril organization and regulation of the length of sarcomeric thin filaments (By similarity). It also plays a role in the assembly of cardiomyocyte cell adhesion complexes (By similarity). Regulates cytoskeletal rearrangements involved in cytokinesis and cell migration, by inhibiting Rac1-dependent paxillin phosphorylation (By similarity). May play a role as coactivator in transcriptional activation by hormone-activated nuclear receptors (NR) and acts in cooperation with NCOA2 and CARM1 (PubMed:14966289). Involved in estrogen hormone signaling.

Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q9JJ28}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9JJ28}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q9JJ28}. Cell projection, podosome {ECO:0000250|UniProtKB:Q9JJ28}. Cell junction, focal adhesion {ECO:0000250|UniProtKB:Q9JJ28}. Note=Colocalizes to actin-rich structures in blastocysts and, together with HRAS, RHOA and CDC42, in migrating fibroblasts. Localizes to centrosomes (By similarity) Localized to the core of macrophage podosomes (By similarity) {ECO:0000250|UniProtKB:Q9JJ28}
Tissue Location	Strongest expression in skeletal muscle with high expression also in the heart and lung.

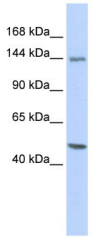
References

Campbell H.D.,et al.Genomics 42:46-54(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).
Campbell H.D.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:11386-11390(1993).

Images



FLII antibody - middle region (AI13665)
Catalog Number: AI13665
Formalin Fixed Paraffin Embedded Tissue: Human Bronchial Epithelial Tissue Observed Staining: Cytoplasm and membrane of bronchial epithelial tissue
Primary Antibody
Concentration: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody
Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec



WB Suggested Anti-FLII Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: OVCAR-3 cell lysate