

Sprouty 4 Rabbit mAb

Catalog # AP76116

Product Information

Application	WB, IHC-P, IHC-F, IP, ICC
Primary Accession	Q9C004
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	32541

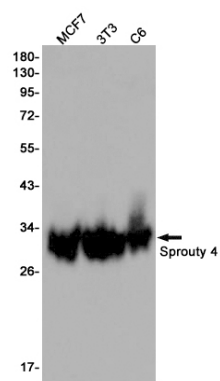
Additional Information

Gene ID	81848
Other Names	SPRY4
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Protein Information

Name	SPRY4
Function	Suppresses the insulin receptor and EGFR-transduced MAPK signaling pathway, but does not inhibit MAPK activation by a constitutively active mutant Ras (PubMed: 12027893). Probably impairs the formation of GTP-Ras (PubMed: 12027893). Inhibits Ras-independent, but not Ras-dependent, activation of RAF1 (PubMed: 12717443). Represses integrin-mediated cell spreading via inhibition of TESK1-mediated phosphorylation of cofilin (PubMed: 15584898).
Cellular Location	Cytoplasm. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Note=Found in the cytoplasm in unstimulated cells but is translocated to the membrane ruffles in cells stimulated with EGF (epidermal growth factor) (By similarity). Colocalizes with TESK1 in vesicular spots in the cytoplasm (PubMed: 15584898) {ECO:0000250 UniProtKB:Q9WTP2, ECO:0000269 PubMed: 15584898 }

Images



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