

FOP Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51207

Product Information

Application	WB, IHC-P
Primary Accession	O95684
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43065

Additional Information

Gene ID	11116
Other Names	FGFR1 oncogene partner, FGFR1OP, FOP
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human FOP. The exact sequence is proprietary.
Dilution	WB~~1:1000 IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CEP43 (HGNC:17012)
Synonyms	FGFR1OP, FOP
Function	Required for anchoring microtubules to the centrosomes (PubMed: 16314388 , PubMed: 28659385). Required for ciliation (PubMed: 28625565 , PubMed: 28659385).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, cilium basal body. Note=Associated with gamma-tubulin (PubMed:16314388). Localizes on both mother and daughter centrioles (PubMed:28428259, PubMed:28625565). Localizes to an axial position on the mother centriole (PubMed:28625565). Localizes to the distal end of the centriole partly on the subdistal appendage region (PubMed:28659385).
Tissue Location	Ubiquitous. Highly expressed in heart, liver, muscle, kidney, intestine, colon,

adrenal gland, prostate, testis, and pancreas.

Background

Required for anchoring microtubules to the centrosomes.

References

Popovici C.,et al.Blood 93:1381-1389(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Andersen J.S.,et al.Nature 426:570-574(2003).

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