OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP06118PU-N

FGFR1 Oncogene Partner (FGFR1OP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Western blot**: 1/500-1/1000. I**mmunohistochemistry on Paraffin sections**: 1/50-1/200. **Immunofluorescence**: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 341-390 of Human FGFR1 OP.
Specificity:	This antibody detects endogenous levels of FGFR1OP protein (region surrounding Asn371).
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE).
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~43, 92 kDa
Gene Name:	FGFR1 oncogene partner
Database Link:	Entrez Gene 11116 Human O95684

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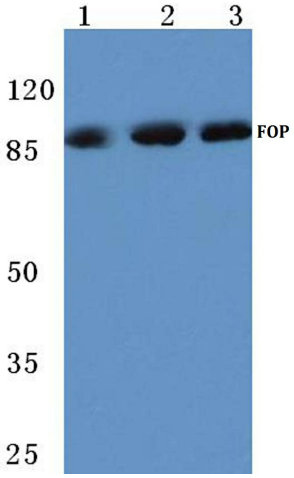
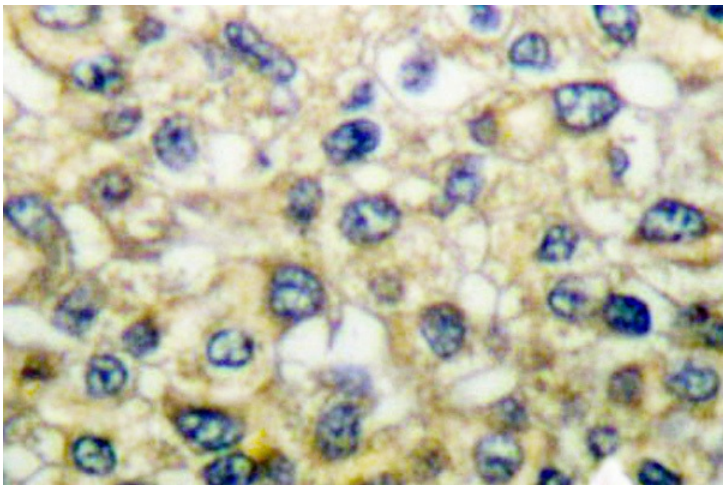
Background: Acidic and basic fibroblast growth factors (FGFs) are members of a family of multifunctional polypeptide growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Like other growth factors, FGFs act by binding and activating specific cell surface receptors. These include the Flg receptor or FGFR-1, the Bek receptor or FGFR-2, FGFR-3, FGFR-4, FGFR-5 and FGFR-6. These receptors usually contain an extracellular ligand-binding region containing three immunoglobulin-like domains, a transmembrane domain and a cytoplasmic tyrosine kinase domain. The gene encoding human Flg maps to chromosome 8p11 and is alternatively spliced to produce several isoforms. Mutations in Flg are associated with Pfeiffer syndrome, a skeletal disorder characterized by craniosynostosis with deviation and enlargement of the thumbs and great toes, brachymesophalangy, with phalangeal ankylosis and a varying degree of soft tissue syndactyly. The Flg gene is also involved in chromosomal translocations with ZNF198, CEP110 and FOP, which may lead to stem cell leukemia lymphoma (SCLL).

Synonyms: FGFR1 oncogene partner, FOP

Product images:



Western blot (WB) analysis of FGFR1 OP antibody at 1/500 dilution Lane 1:HEK293T cell lysate Lane 2:Mouse brain tissue lysate Lane 3:Rat brain tissue lysate



Immunohistochemical analysis in paraffin-embedded human breast carcinoma tissue using FGFR1OP antibody.