Rabbit FGFR1 Oncogene Partner Polyclonal Antibody | anti-FGFR1OP antibody

FGFR1 Oncogene Partner Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320804	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

FGFR1 Oncogene Partner; Polyclonal Antibody; FGFR1 Oncogene Partner Antibody; FGFR1 oncogene partner; FGFR1OP; Fibroblast growth factor receptor 1 oncogene partner; FOP; FR1OP_HUMAN; OTTHUMP00000017612; OTTHUMP00000017613; anti-FGFR1OP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FGFR1 Oncogene Partner antibody detects endogenous levels of total FGFR1 Oncogene Partner
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	399
Applicable Applications for anti-FGFR1OP antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FGFR1 Oncogene Partner
Subcellular Location	Cytoplasm > Cytoskeleton > Centrosome. Associated with gamma-tubulin.
Tissue Specificity	Ubiquitous. Highly expressed in heart, liver, muscle, kidney, intestine, colon, adrenal gland, prostate, testis, and pancreas.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Rabbit, Dog**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (89%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA320804 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohiostchemistry)
AAA320804 at 1/100 staining human testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis on HepG2 cell lysate using FGFR1 Oncogene Partner Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FGFR1OP antibody	Description: FOP Required for anchoring microtubules to the centrosomes. Homodimer. Part of a ternary complex that contains CEP350, FGFR1OP and MAPRE1. Interacts directly with CEP350 and MAPRE1. 3 isoforms of the human protein are produced by alternative splicing. Function: Required for anchoring microtubules to the centrosomes (PubMed:16314388, PubMed:28659385). Required for ciliation (PubMed:28625565, PubMed:28659385). Subunit Structure: Homodimer (PubMed:16690081). Part of a ternary complex that contains CEP350, FGFR1OP and MAPRE1. Interacts directly with CEP350 and MAPRE1 (PubMed:16314388). Interacts with CEP19 (PubMed:28625565, PubMed:28428259, PubMed:28659385). Interacts (via N-terminus) with CEP350 (via C-terminus) (PubMed:28625565, PubMed:28428259). Similarity: Belongs to the FGFR1OP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5901954
NCBI GeneID	11116
NCBI Accession #	NP_008976.1
NCBI GenBank Nucleotide #	NM_007045.3
UniProt Accession #	O95684; Q49AI0; Q5R3F6; Q96EW1; A8K1D1; B2R705
Molecular Weight	Observed: 43 kDa Predicted: 44 kDa
NCBI Official Full Name	FGFR1 oncogene partner isoform a
NCBI Official Synonym Full Names	FGFR1 oncogene partner
NCBI Official Symbol	FGFR1OP
NCBI Official Synonym Symbols	FOP
NCBI Protein Information	FGFR1 oncogene partner
UniProt Protein Name	FGFR1 oncogene partner
UniProt Gene Name	**FGFR1OP**
UniProt Synonym Gene Names	FOP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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