

FOPNL Rabbit pAb

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Catalog # AP55089

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96NB1
Reactivity	Rat, Mouse
Predicted	Pig, Dog, Human, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19778
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FOPNL/C16orf63
Epitope Specificity	6-80/174
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell projection; cilium. Cytoplasm; cytoskeleton; cilium basal body. Cytoplasm; cytoskeleton; centrosome. Cytoplasmic granule. Localizes to pericentriolar satellites, small (70-100 nm) cytoplasmic granules associated with the centrosome.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C16orf63, also known as FLJ31153 or DKFZp686N1651, is a 174 amino acid protein that contains one LisH domain. The gene that encodes C16orf63 maps to human chromosome 16. Chromosome 16 encodes over 900 genes in approximately 90 million base pairs, makes up nearly 3% of human cellular DNA and is associated with a variety of genetic disorders. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, though through the CREBBP gene which encodes a critical CREB binding protein. Signs of Rubinstein-Taybi include mental retardation and predisposition to tumor growth and white blood cell neoplasias. Crohn's disease is a gastrointestinal inflammatory condition associated with chromosome 16 through the NOD2 gene. An association with systemic lupus erythematosus and a number of other autoimmune disorders with the pericentromeric region of chromosome 16 has led to the identification of SLC5A11 as a potential autoimmune modifier. The C16orf63 gene product has been provisionally designated C16orf63 pending further characterization.

Additional Information

Gene ID	123811
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Other Names	Centrosomal protein 20, FGFR1OP N-terminal-like protein, FOP-related protein of 20 kDa, LisH domain-containing protein FOPNL, CEP20 (HGNC:26435)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

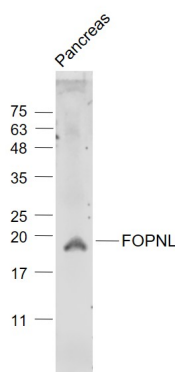
Protein Information

Name	CEP20 (HGNC:26435)
Function	Involved in the biogenesis of cilia (PubMed: 20551181). Required for the recruitment of PLK1 to centrosomes and S phase progression (PubMed: 24018379).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasmic granule. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite Note=Localizes to the centrosome throughout cell cycle progression (PubMed:24018379). Localization to centrioles and pericentriolar satellites may be mediated by KIAA0753/OFIP (PubMed:26643951)
Tissue Location	Widely expressed. Detected in brain, heart, kidney, liver, lung, skeletal muscle, placenta and intestine

Background

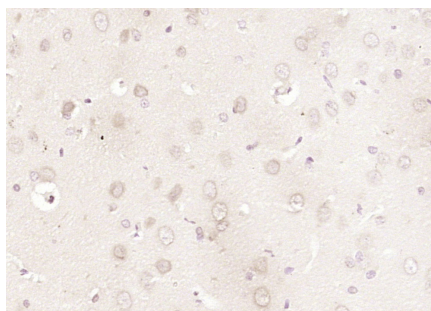
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Images



Sample:
Pancreas (Mouse) Lysate at 40 ug
Primary: Anti- FOPNL (AP55089) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 20 kD
Observed band size: 19 kD

Paraformaldehyde-fixed, paraffin embedded (rat brain);
Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FOPNL) Polyclonal Antibody,



Unconjugated (AP55089) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.