

C20orf117 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55790**Specification**

C20orf117 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O94964
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	160 kDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C20orf117
Epitope Specificity	21-120/1423
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	C-terminal 80 kDa form: Secreted (By similarity). Note=Secreted in primary hepatocyte-conditioned media (By similarity).
SIMILARITY	Belongs to the SOGA family.
SUBUNIT	The C-terminal 25 kDa form occurs as a monomer (By similarity).
Post-translational modifications	Proteolytically cleaved in primary hepatocytes into a C-terminal 80 kDa form (By similarity). Proteolytically cleaved into a C-terminal SOGA 25 kDa form that is detected in plasma.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Representing about 2% of human DNA, chromosome 20 consists of approximately 63 million bases and 600 genes. Chromosome 20 contains a region with numerous genes expressed in the epididymis, which are thought important for seminal production, and some viewed as potential targets for male contraception. The PRNP gene encoding the prion protein associated with spongiform encephalopathies, like Creutzfeldt-Jakob disease, is found on chromosome 20. Amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome are also associated with chromosome 20. The C20orf117 gene product has been provisionally designated C20orf117 pending further characterization.

C20orf117 Polyclonal Antibody - Additional Information

Gene ID 140710**Other Names**

Protein SOGA1, SOGA family member 1, Suppressor of glucose by autophagy, Suppressor of glucose, autophagy-associated protein 1, N-terminal form, C-terminal 80 kDa form, 80-kDa SOGA fragment, SOGA1, C20orf117, KIAA0889, SOGA

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

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.

C20orf117 Polyclonal Antibody - Protein Information

Name MTCL2 ([HGNC:16111](#))

Function

Microtubule-associated factor that enables integration of the centrosomal and Golgi-associated microtubules on the Golgi membrane, supporting directional migration. Preferentially acts on the perinuclear microtubules accumulated around the Golgi. Associates with the Golgi membrane through the N-terminal coiled-coil region and directly binds microtubules through the C-terminal domain (By similarity). Required for faithful chromosome segregation during mitosis (PubMed:33587225). Regulates autophagy by playing a role in the reduction of glucose production in an adiponectin- and insulin-dependent manner (By similarity).

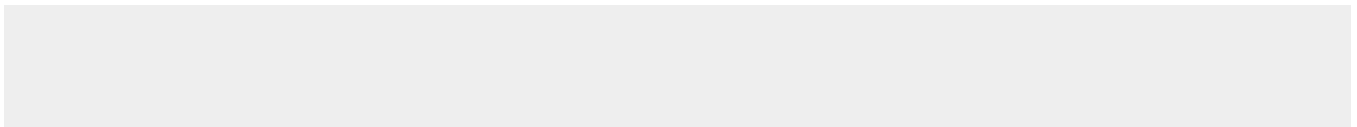
Cellular Location

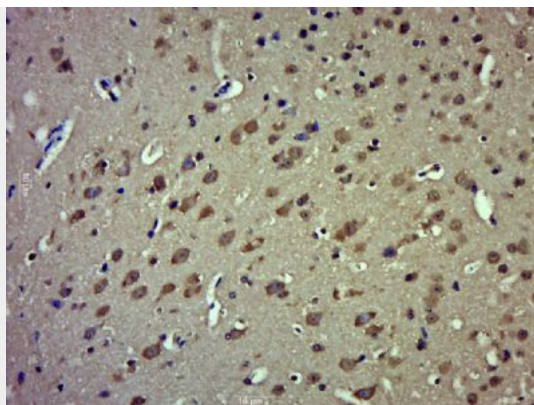
Cytoplasm, cytoskeleton. Golgi apparatus membrane {ECO:0000250|UniProtKB:E1U8D0}. Midbody Note=Associates with microtubules during late mitosis and interphase

C20orf117 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

C20orf117 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (C20orf117) Polyclonal Antibody, Unconjugated (bs-15091R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.