
OSGEP Rabbit pAb

Catalog Number: bs-17526R

Target Protein: OSGEP

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Mouse (predicted:Human, Rat, Rabbit, Pig, Sheep, Cow, Zebrafish, Dog, Horse)

Predicted MW: 36 kDa

Subcellular Nucleus

Locations:

Entrez Gene: 55644

Swiss Prot: Q9NPF4

Source: KLH conjugated synthetic peptide derived from human OSGEP: 121-220/335.

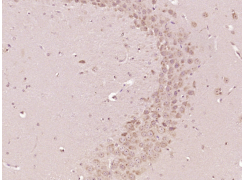
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: O-sialoglycoprotein endopeptidases cleave the polypeptide backbone of membrane glycoproteins that contain clusters of O-linked sialoglycans. Osgp (O-sialoglycoprotein endopeptidase), also known as GCPL1, is a 335 amino acid protein that is a member of the peptidase M22 family. Osgp specifically cleaves the 31-Arg-I-Asp-32 bond in glycophorin A, but it does not cleave desialylated glycoproteins, unglycosylated proteins or glycoproteins that are only N-glycosylated. Though ubiquitously expressed at low levels, highest levels of Osgp are found in liver, skeletal muscle and kidney. OSGEPL1, also known as Qri7, is a 414 amino acid protein that belongs to the KAE1/YgjD family and exists as three alternatively spliced isoforms. In tRNAs that have codons beginning with adenine, OSGEPL1 is required for the formation of a threonylcarbamoyl group on adenosine.

VALIDATION 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 (OSGEP) Polyclonal Antibody, Unconjugated (bs-17526R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.