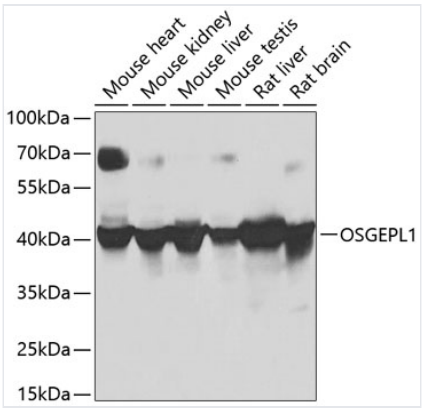
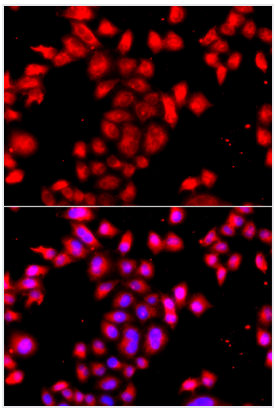
OSGEPL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

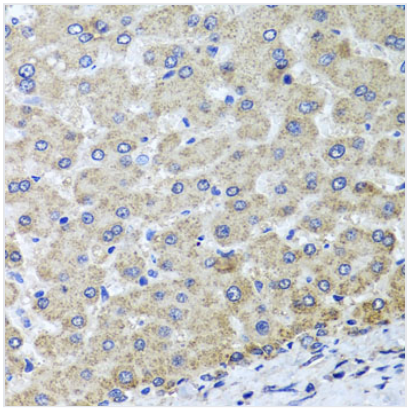
Product Name	OSGEPL1, Polyclonal Antibody
Full Product Name	OSGEPL1 Polyclonal Antibody
Product Gene Name	anti-OSGEPL1 antibody
Product Synonym Names	OSGEPL1; OSGEPL; Qri7; O-sialoglycoprotein endopeptidase like 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 50% glycerol, pH7.4
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	32,586 Da
3D Structure	ModBase 3D Structure for Q9H4B0
Immunogen	Recombinant fusion protein of human OSGEPL1 (NP_071748.2).
Conjugation	Unconjugated
Product Categories/Family for anti-OSGEPL1 antibody	Total protein Ab
Applications Tested/Suitable for anti-OSGEPL1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-OSGEPL1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:100
Related Product Information for anti-OSGEPL1 antibody	MBS9434252 is an antibody targeting OSGEPL1. Also known as OSGEPL1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-OSGEPL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



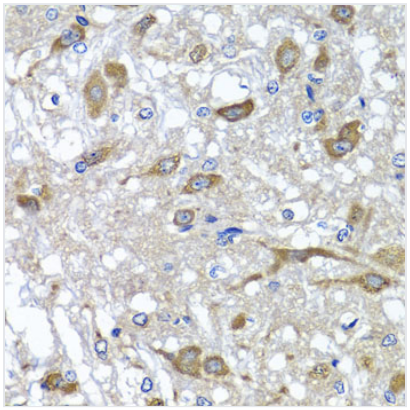
Western Blot (WB) of anti-OSGEPL1 antibody
Western blot analysis of extracts of various cell lines, using OSGEPL1 antibody.



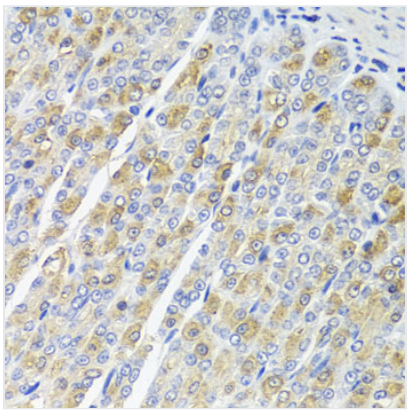
Immunofluorescence (IF) of anti-OSGEPL1 antibody
Immunofluorescence analysis of A549 cells using OSGEPL1 antibody.



Immunohistochemistry (IHC) of anti-OSGEPL1 antibody
Immunohistochemistry of paraffin-embedded rat brain using OSGEPL1 antibody.



Immunohistochemistry (IHC) of anti-OSGEPL1 antibody
Immunohistochemistry of paraffin-embedded mouse stomach using OSGEPL1 antibody.



Immunohistochemistry (IHC) of anti-OSGEPL1 antibody
Immunohistochemistry of paraffin-embedded human liver damage using OSGEPL1 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OSGEPL1. It may not necessarily be applicable to this product.

NCBI GI #	116812636
NCBI GeneID	64172
NCBI Accession #	NP_071748.2
UniProt Primary Accession #	Q9H4B0
UniProt Secondary Accession #	Q96EV9; Q96NH5
UniProt Related Accession #	Q9H4B0

GenBank Nucleotide #	NM_022353.2
NCBI Official Full Name	probable tRNA N6-adenosine threonylcarbamoyltransferase, mitochondrial
NCBI Official Synonym Full Names	O-sialoglycoprotein endopeptidase-like 1
NCBI Official Symbol	OSGEPL1
NCBI Official Synonym Symbols	Qri7
UniProt Protein Name	Probable tRNA N6-adenosine threonylcarbamoyltransferase, mitochondrial
UniProt Synonym Protein Names	N6-L-threonylcarbamoyladenine synthase; t(6)A synthase; O-sialoglycoprotein endopeptidase-like protein 1
UniProt Gene Name	OSGEPL1
UniProt Synonym Gene Names	t(6)A synthase
UniProt Entry Name	OSGP2_HUMAN
NCBI Protein Information	probable tRNA N6-adenosine threonylcarbamoyltransferase, mitochondrial
UniProt Comments for OSGEPL1	OSGEPL1: Required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. Belongs to the KAE1 / YgjD family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.6.99.4; Protease Chromosomal Location of Human Ortholog: 2q32.2 Cellular Component: mitochondrion Molecular Function: metal ion binding; transferase activity, transferring groups other than amino-acyl groups
Research Articles on OSGEPL1	**1.** Observational study of gene-disease association. (HuGE Navigator)
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