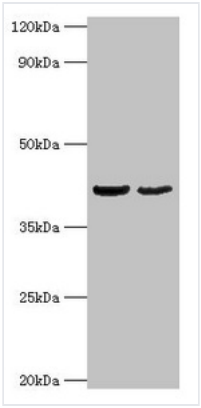
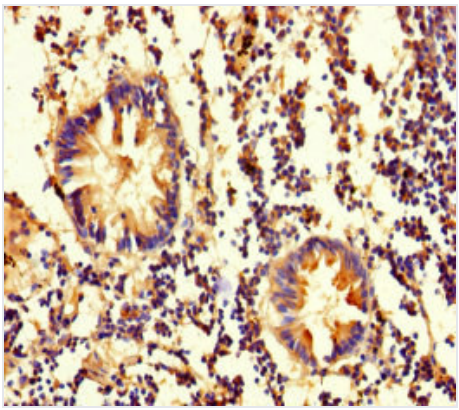
Obg-Like Atpase 1 (OLA1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

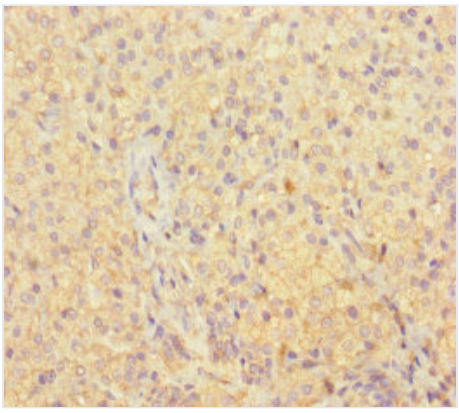
Product Name	Obg-like ATPase 1 (OLA1), Polyclonal Antibody
Full Product Name	Rabbit anti-human Obg-like ATPase 1 polyclonal Antibody
Product Gene Name	anti-OLA1 antibody
Product Synonym Names	DNA damage-regulated overexpressed in cancer 45 GTP-binding protein 9 OLA1 GTPBP9 PRO2455; PTD004
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human. Other species are not tested. Please decide the specificity by homology.
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: Obg-like ATPase 1 (MBS1489898) Biotin Conjugated Antibody: Obg-like ATPase 1 (MBS1488898)
Matching Pairs	Unconjugated Antibody: Obg-like ATPase 1 (MBS1489898) FITC Conjugated Antibody: Obg-like ATPase 1 (MBS1491158)
Matching Pairs	Unconjugated Antibody: Obg-like ATPase 1 (MBS1489898) HRP Conjugated Antibody: Sex hormone-binding globulin (MBS1491284)
Molecular Weight	31,440 Da
OMIM	611175
3D Structure	ModBase 3D Structure for Q9NTK5
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Obg-like ATPase 1 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-101969
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-OLA1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-OLA1 antibody	Hydrolyzes ATP, and can also hydrolyze GTP with lower efficiency. Has lower affinity for GTP.
Other Notes	Small volumes of anti-OLA1 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.
Searchable Terms for OLA1 purchase	MBS1489898 is an antibody targeting OLA1. Also known as Rabbit anti-human Obg-like ATPase 1 polyclonal Antibody. Reactive in Human. Other species are not tested. Please decide the specificity by homology.. Host: Rabbit.



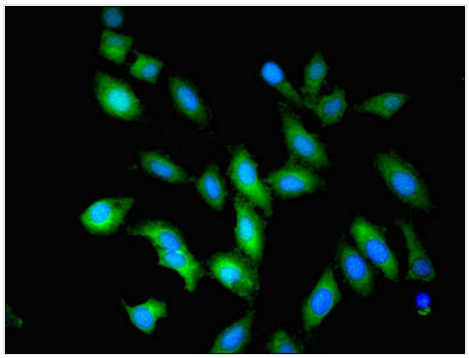
Western Blot (WB) of anti-OLA1 antibody
Western blotAll lanes: Obg-like ATPase 1 antibody at 2ug/mlLane 1: HepG2 whole cell lysateLane 2:mouse stomach tissueSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 45,28,32 kDaObserved band size: 45 kDa



Immunohistochemistry (IHC) of anti-OLA1 antibody
Immunohistochemistry of paraffin-embedded human appendix tissue using MBS1489898 at dilution of 1:100



Immunohistochemistry (IHC) of anti-OLA1 antibody
Immunohistochemistry of paraffin-embedded human adrenal gland tissue using MBS1489898 at dilution of 1:100



Immunofluorescence (IF) of anti-OLA1 antibody
Immunofluorescent analysis of Hela cells using MBS1489898 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OLA1. It may not necessarily be applicable to this product.

NCBI GI #	58761502
NCBI GeneID	29789
NCBI Accession #	NP_001011708.1
UniProt Primary Accession #	Q9NTK5
UniProt Secondary Accession #	Q5BJD7; Q8NCI8; Q96CU1; Q96SV2; Q9P1D3; Q9UNY9; Q9Y6G4; D7EHM2
UniProt Related Accession #	Q9NTK5
GenBank Nucleotide #	NM_001011708.1
NCBI Official Full Name	obg-like ATPase 1 isoform 2
NCBI Official Synonym Full Names	Obg-like ATPase 1
NCBI Official Symbol	OLA1
NCBI Official Synonym Symbols	DOC45; GBP45; GTBP9; GTPBP9; PTD004
UniProt Protein Name	Obg-like ATPase 1
UniProt Synonym Protein Names	DNA damage-regulated overexpressed in cancer 45; DOC45; GTP-binding protein 9
Protein Family	Obg-like ATPase

UniProt Gene Name	OLA1
UniProt Synonym Gene Names	DOC45
UniProt Entry Name	OLA1_HUMAN
NCBI Protein Information	obg-like ATPase 1
UniProt Comments for OLA1	OLA1: Hydrolyzes ATP, and can also hydrolyze GTP with lower efficiency. Has lower affinity for GTP. Belongs to the GTP1/OBG family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Hydrolase; EC 3.6.3.-; Nucleolus Chromosomal Location of Human Ortholog: 2q31.1 Cellular Component: centrosome; cytoplasm; membrane; nucleolus Molecular Function: ATP binding; ATPase activity; GTP binding; metal ion binding; protein binding; ribosomal large subunit binding; ribosome binding Biological Process: ATP metabolic process
Research Articles on OLA1	**1.** OLA1 plays an important negative role in cell adhesion and spreading, in part through the regulation of FAK expression and cofilin phosphorylation, and manipulation of OLA1 may lead to significant changes in cell adhesion and the associated phenotypes.
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