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OSAP/Ovary-specific acidic protein Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56746

Specification

OSAP/Ovary-specific acidic protein Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q8TDB4
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**25 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human OSAP/Ovary-specific acidic protein**
Epitope Specificity	**1-100/240**
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	**Membrane.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

OSAP/Ovary-specific acidic protein Polyclonal Antibody - Additional Information

Gene ID 84709

Other Names
Protein MGARP, Corneal endothelium-specific protein 1, CESP-1, Hypoxia up-regulated mitochondrial movement regulator protein, Mitochondria-localized glutamic acid-rich protein, Ovary-specific acidic protein, MGARP, C4orf49, CESP1, HUMMR, OSAP

Target/Specificity
Found in ovary and corneal endothelial cells.

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

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 ℃ 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 ℃.

OSAP/Ovary-specific acidic protein Polyclonal Antibody - Protein Information

Name MGARP

Synonyms C4orf49, CESP1, HUMMR, OSAP

Function
Plays a role in the trafficking of mitochondria along microtubules. Regulates the kinesin-mediated axonal transport of mitochondria to nerve terminals along microtubules during hypoxia. Participates in the translocation of TRAK2/GRIF1 from the cytoplasm to the mitochondrion. Also plays a role in steroidogenesis through maintenance of mitochondrial abundance and morphology (By similarity). Plays an inhibitory role during neocortex development by regulating mitochondrial morphology, distribution and motility in neocortical neurons (By similarity).

Cellular Location
Mitochondrion. Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q8VI64}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:Q8VI64}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8VI64}. Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q8VI64}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:Q8VI64}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8VI64}. Note=Colocalizes with RHOT1, RHOT2, TRAK1 and TRAK2 at the mitochondrion. {ECO:0000250|UniProtKB:Q8VI64}

Tissue Location
Expressed in the brain, adrenal gland and corneal endothelium (CE). Expressed in steroid-producing cells of the ovary and testis (at protein level). Expressed in steroid-producing cells of the ovary and testis. Weakly expressed in placenta. Expressed in corneal endothelial cells.

OSAP/Ovary-specific acidic protein 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 Cytomety
- Cell Culture

OSAP/Ovary-specific acidic protein Polyclonal Antibody - Images

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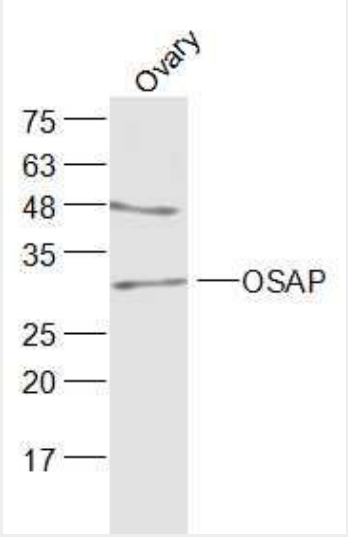

Sample:
Ovary (Mouse) Lysate at 40 ug
Primary: Anti-OSAP (bs-17569R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25 kD
Observed band size: 29 kD