

# OSAP/Ovary-specific acidic protein Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56746

## Product Information

<b>Application</b>	WB, IHC-P, IHC-F, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q8TDB4</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	25390
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human OSAP/Ovary-specific acidic protein
<b>Epitope Specificity</b>	1-100/240
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Membrane.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## Additional Information

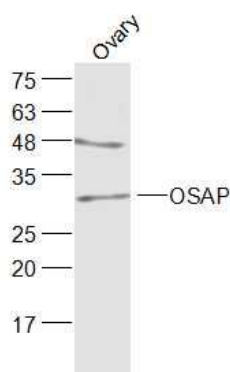
<b>Gene ID</b>	84709
<b>Other Names</b>	Protein MGARP, Corneal endothelium-specific protein 1, CESP-1, Hypoxia up-regulated mitochondrial movement regulator protein, Mitochondria-localized glutamic acid-rich protein, Ovary-specific acidic protein, MGARP, C4orf49, CESP1, HUMMR, OSAP
<b>Target/Specificity</b>	Found in ovary and corneal endothelial cells.
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	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.

## Protein Information

<b>Name</b>	MGARP
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<b>Synonyms</b>	C4orf49, CESP1, HUMMR, OSAP
<b>Function</b>	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).
<b>Cellular Location</b>	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}
<b>Tissue Location</b>	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.

## Images



Sample:  
Ovary (Mouse) Lysate at 40 ug  
Primary: Anti-OSAP (AP56746) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 25 kD  
Observed band size: 29 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.