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OSAP/Ovary-specific acidic protein Rabbit pAb

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Catalog # AP56746

Product Information

Application	WB
Primary Accession	Q8TDB4
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25390
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.

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
Dilution	WB=1:500-2000
Storage	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

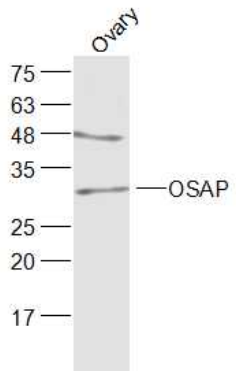
Name	MGARP
Synonyms	C4orf49, CESP1, HUMMR, OSAP
Function	Plays a role in the trafficking of mitochondria along microtubules. Regulates

	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.

Background

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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'.