

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
Primary Accession	Q8TDB4
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25390

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

Format

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

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.

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

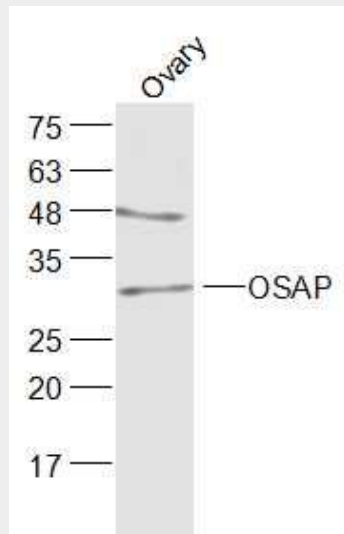
Expressed in the brain, adrenal gland and corneal endothelium (CE). Expressed in steroid-producing cells of the ovary and testis (at protein level). Expressed in steroid-producing cells of the ovary and testis. Weakly expressed in placenta. Expressed in corneal endothelial cells.

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 Cytometry](#)
- [Cell Culture](#)

OSAP/Ovary-specific acidic protein Polyclonal Antibody - Images



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