



# OXA1L Rabbit pAb

OXA1L Rabbit pAb Catalog # AP56747

#### **Product Information**

**Application** WB, IHC-P, IHC-F, IF

**Primary Accession** Q15070

Reactivity Human, Mouse **Predicted** Rat. Rabbit Host Rabbit Clonality Polyclonal **Calculated MW** 48520 **Physical State** Liquid

**Immunogen** KLH conjugated synthetic peptide derived from human OXA1L

**Epitope Specificity** 301-400/435

Isotype IgG

**Purity** affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Mitochondrion inner membrane.

SUBCELLULAR LOCATION

**SIMILARITY** 

Belongs to the OXA1/ALB3/YidC family. This product as supplied is intended for research use only, not for use in **Important Note** 

human, therapeutic or diagnostic applications.

Required for the insertion of integral membrane proteins into the **Background Descriptions** 

> mitochondrial inner membrane. Essential for the activity and assembly of cytochrome oxidase. Required for the correct biogenesis of ATP synthase and

complex I in mitochondria.

#### **Additional Information**

5018 Gene ID

**Other Names** Mitochondrial inner membrane protein OXA1L, OXA1Hs, Oxidase assembly

1-like protein, OXA1-like protein, OXA1L {ECO:0000303|PubMed:9247084,

ECO:0000312 | HGNC:HGNC:8526}

Dilution WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When Storage

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 OXA1L {ECO:0000303|PubMed:9247084, ECO:0000312|HGNC:HGNC:8526}

#### **Function**

Mitochondrial membrane insertase that mediates the cotranslational insertion of integral membrane proteins into the mitochondrial inner membrane (PubMed:17936786, PubMed:33602856, PubMed:7991568). Essential for the activity and assembly of cytochrome oxidase (PubMed:17936786, PubMed:7991568). Required for the correct biogenesis of ATP synthase and complex I in mitochondria (PubMed:17936786, PubMed:7991568).

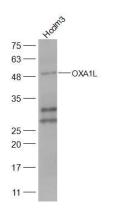
**Cellular Location** 

Mitochondrion inner membrane; Multi-pass membrane protein

## **Background**

Required for the insertion of integral membrane proteins into the mitochondrial inner membrane. Essential for the activity and assembly of cytochrome oxidase. Required for the correct biogenesis of ATP synthase and complex I in mitochondria.

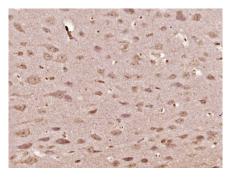
## **Images**



Sample:

Hcclm3(Human) Cell Lysate at 30 ug Primary: Anti-OXA1L (AP56747) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49 kD Observed band size: 49 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (OXA1L) Polyclonal Antibody, Unconjugated (AP56747) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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