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Datasheet for ABIN390168  
**anti-OASL antibody (C-Term)**

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### Overview

Quantity:	400 µL
Target:	OASL
Binding Specificity:	AA 484-514, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OASL antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	This OASL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 484-514 amino acids from the C-terminal region of human OASL.
Clone:	RB1948
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

### Target Details

Target:	OASL
Alternative Name:	OASL ( <a href="#">OASL Products</a> )

## Target Details

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**Background:** 2-prime,5-prime oligoadenylates (2-5As) bind to and activate RNase L, leading to degradation of RNA and inhibition of protein synthesis. 2-5As are produced by 2-5A synthetases (OASs), a highly-conserved family of interferon-induced enzymes. The predicted 514-amino acid human p59OASL (2-5A synthetases-like) protein shares a highly conserved N-terminal domain with other OASs. The C-terminal portion of p59OASL contains 2 ubiquitin-like domains. p59OASL is expressed in most tissues, with the highest levels in hematopoietic tissues, colon, and stomach.

**Molecular Weight:** 59226

**Gene ID:** 8638

**NCBI Accession:** [NP\\_001248754](#), [NP\\_003724](#), [NP\\_937856](#)

**UniProt:** [Q15646](#)

## Application Details

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**Application Notes:** WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C,-20 °C

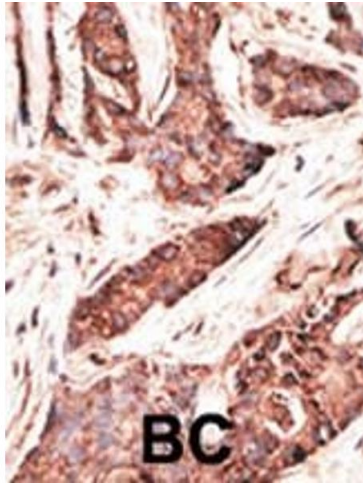
**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months

## Publications

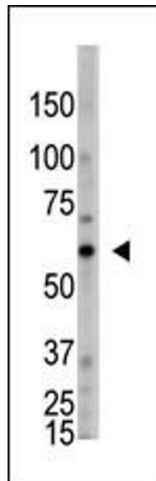
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**Product cited in:** Lei, Chen, Huang, Wu, Lin, Lai: "Proteomic analysis of the effect of extracellular calcium ions on human mesenchymal stem cells: Implications for bone tissue engineering." in: **Chemico-biological interactions**, Vol. 233, pp. 139-46, (2015) ([PubMed](#)).



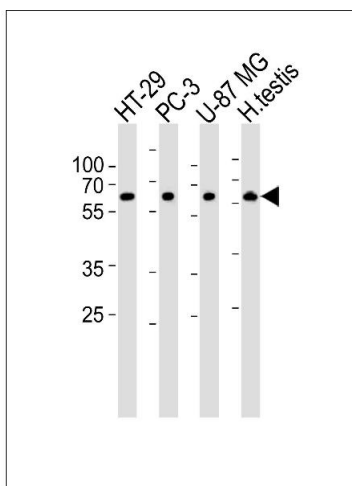
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



### Western Blotting

**Image 2.** The anti-OASL C-term Antibody (ABIN390168 and ABIN2840664) is used in Western blot to detect OASL in HL60 lysate.



### Western Blotting

**Image 3.** Western blot analysis of lysates from HT-29, PC-3, U-87 MG cell line and human testis tissue lysate (from left to right), using OASL Antibody (ABIN390168 and ABIN2840664). (ABIN390168 and ABIN2840664) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.