

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 (OASL Products)

Target Details

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

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

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

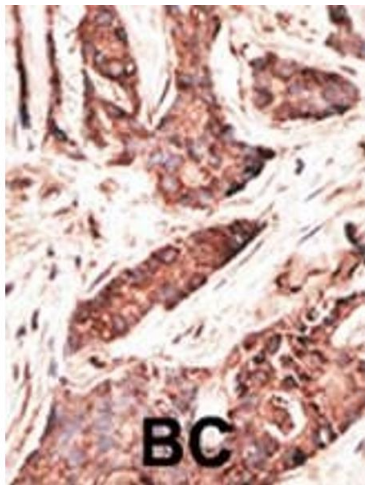
Publications

Product cited in:	Forero, Giacobbi, McCormick, Gjoerup, Bakkenist, Pipas, Sarkar: "Simian virus 40 large T antigen induces IFN-stimulated genes through ATR kinase." in: Journal of immunology (Baltimore, Md. : 1950) , Vol. 192, Issue 12, pp. 5933-42, (2014) (PubMed).
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Forero, Moore, Sarkar: "Role of IRF4 in IFN-stimulated gene induction and maintenance of Kaposi sarcoma-associated herpesvirus latency in primary effusion lymphoma cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 191, Issue 3, pp. 1476-85, (2013) ([PubMed](#)).

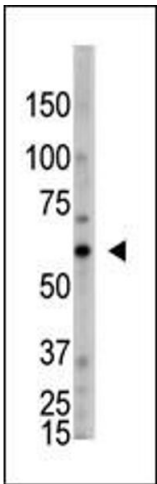
Ishibashi, Wakita, Esumi: "2',5'-Oligoadenylate synthetase-like gene highly induced by hepatitis C virus infection in human liver is inhibitory to viral replication in vitro." in: **Biochemical and biophysical research communications**, Vol. 392, Issue 3, pp. 397-402, (2010) ([PubMed](#)).

Images



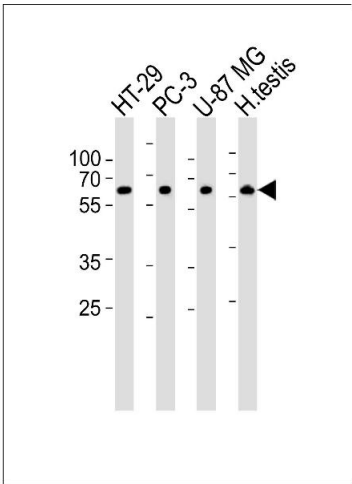
Immunohistochemistry (Paraffin-embedded Sections)

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.