

## Rabbit OASL Polyclonal Antibody | anti-OASL antibody

OASL Antibody

|                              |                       |                                        |                                                                                     |
|------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA40791</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunocytochemistry, Western Blot, ELISA</b> |
|------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

OASL; Polyclonal Antibody; OASL Antibody; OASLd; TRIP14; TRIP-14; p59OASL; p59 OASL; p59-OASL; Thyroid receptor-interacting protein 14; TR-interacting protein 14; 2'-5'-oligoadenylate synthetase-like; anti-OASL antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                         |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                  |
| Reactivity                                     | Human, Mouse, Rat                                                                                       |
| Clonality                                      | Polyclonal                                                                                              |
| Isotype                                        | IgG                                                                                                     |
| Specificity                                    | OASL antibody is human, mouse and rat reactive.                                                         |
| Purity/Purification                            | OASL antibody is affinity chromatography purified via peptide column.                                   |
| Form/Format                                    | Liquid                                                                                                  |
| Concentration                                  | 1 mg/mL (varies by lot)                                                                                 |
| Sequence Length                                | 514                                                                                                     |
| Applicable Applications for anti-OASL antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA                            |
| Conjugate                                      | Unconjugated                                                                                            |
| Immunogen                                      | OASL antibody was raised against a 17 amino acid peptide near the amino terminus of human OASL.         |
| Buffer                                         | OASL Antibody is supplied in PBS containing 0.02% sodium azide.                                         |
| Preparation and Storage                        | OASL antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. |

### IMAGES



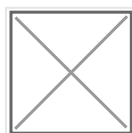
#### IF (Immunofluorescence)

Immunofluorescence of OASL1 in HepG2 cells with OASL1 antibody at 20 µg/mL.



#### ICC (Immunocytochemistry)

Immunocytochemistry of OASL1 in HepG2 cells with OASL1 antibody at 2.5 µg/mL.



#### WB (Western Blot)

Western blot analysis of OASL in mouse bladder tissue lysate with OASL antibody at 1 µg/mL.

ADDITIONAL INFORMATION

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| Related Product Information for anti-OASL antibody | OASL (2'-5'-oligoadenylate synthetase-like), also known as p59OASL or TRIP14 (thyroid receptor-interacting protein 14), is a 514 amino acid protein that exists as two alternatively spliced isoforms, designated p56 and p30, and contains two ubiquitin-like domains (1). It is widely expressed in a variety of tissues and interacts with the ligand binding domain of the thyroid receptor (TR) and is able to bind double-stranded RNA and DNA, possibly playing a role in RNA degradation and the overall inhibition of protein synthesis (2-3). Methyl CpG-binding protein 1 (MBD1), which functions as a transcriptional repressor, was identified as a strong p59 OASL interactor (4). |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 11321577                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 8638                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_003724                                                                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_003733.3                                                                                                                                                                                                                                                     |
| UniProt Accession #              | Q15646; O75686; Q17R95; Q9Y6K6; Q9Y6K7; B2RAZ2; I1YDD2                                                                                                                                                                                                          |
| Molecular Weight                 | Predicted: 57 kDa<br>Observed: 65 kDa                                                                                                                                                                                                                           |
| NCBI Official Full Name          | 2'-5'-oligoadenylate synthase-like protein isoform a                                                                                                                                                                                                            |
| NCBI Official Synonym Full Names | 2'-5'-oligoadenylate synthetase-like                                                                                                                                                                                                                            |
| NCBI Official Symbol             | OASL                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | OASLd; TRIP14; TRIP-14; p59OASL; p59 OASL; p59-OASL                                                                                                                                                                                                             |
| NCBI Protein Information         | 2'-5'-oligoadenylate synthase-like protein; 2'-5'-OAS-RP; 2'-5'-OAS-related protein; TR-interacting protein 14; thyroid receptor-interacting protein 14; 59 kDa 2'-5'-oligoadenylate synthase-like protein; 59 kDa 2'-5'-oligoadenylate synthetase-like protein |
| UniProt Protein Name             | 2'-5'-oligoadenylate synthase-like protein                                                                                                                                                                                                                      |
| UniProt Gene Name                | OASL                                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | TRIP14; 2'-5'-OAS-RP; TR-interacting protein 14; TRIP-14; p59OASL                                                                                                                                                                                               |
| UniProt Entry Name               | OASL_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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