Datasheet for ABIN6142131

# anti-ICOSLG antibody (AA 19-256)

3 Images

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | ICOSLG |
| Binding Specificity: | AA 19-256 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ICOSLG antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

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|---|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 19-256 of human ICOSL (NP_056074.1). |
| Sequence: | DTQEKEVRAM VGSDVELSCA CPEGSRFDLN DVYVYWQTSE SKTVVTYHIP QNSSLENVDS RYRNRALMSP AGMLRGDFSL RLFNVTPQDE QKFHCLVLSQ SLGFQEVLSV EVTLHVAANF SVPVVSAPHS PSQDELTFTC TSINGYPRPN VYWINKTDNS LLDQALQNDT VFLNMRGLYD VVSVLRIART PSVNIGCCIE NVLLQQNLTV GSQTGNDIGE RDKITENPVS TGEKNAAT |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

## Target Details

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|---|---|
| Target: | ICOSLG |
| Alternative Name: | ICOSLG (ICOSLG Products) |
| Background: | Inducible co-stimulator ligand (ICOSL), also known as B7-H2, is a member of the B7 family of co-stimulatory molecules related to B7-1 and B7-2. It is a transmembrane glycoprotein with extracellular IgV and IgC domains, and binds to ICOS on activated T cells, thus delivers a positive costimulatory signal for optimal T cell function. The structural features of ICOSL are crucial for its costimulatory function. Present study shows that ICOSL displays a marked oligomerization potential, resembling more like B7-1 than B7-2. B7-H2-dependent signaling may play an active role in a proliferative response rather than in cytokine and chemokine production. The CD28/B7 and ICOS/B7-H2 pathways are both critical for costimulating T cell immune responses. Deficiency in either pathway results in defective T cell activation, cytokine production and germinal center formation.,ICOSLG,B7-H2,B7H2,B7RP-1,B7RP1,CD275,GL50,ICOS-L,ICOSL,LICOS,Immunology & Inflammation,CD markers,ICOSLG |
| Molecular Weight: | 20 kDa/33 kDa/34 kDa |
| Gene ID: | 23308 |
| UniProt: | O75144 |
| Pathways: | Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation |

## Application Details

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|---|---|
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:200 |
| Comment: | HIGH QUALITY |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| 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: | -20 °C |

## Handling

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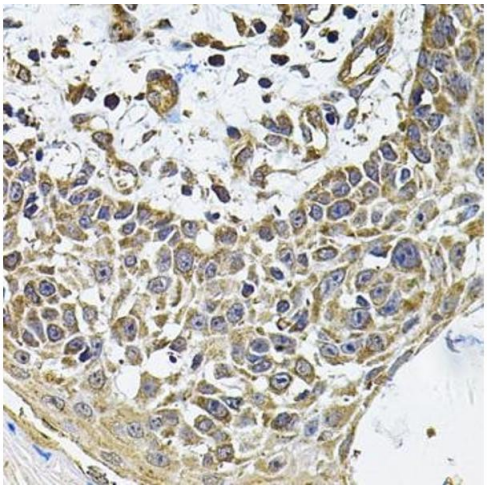
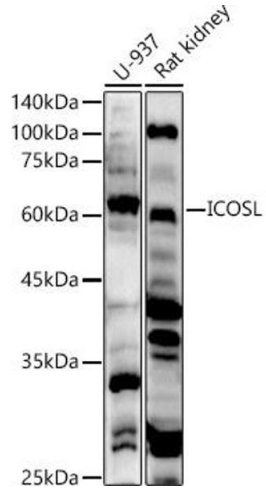
|---|---|
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

## Images



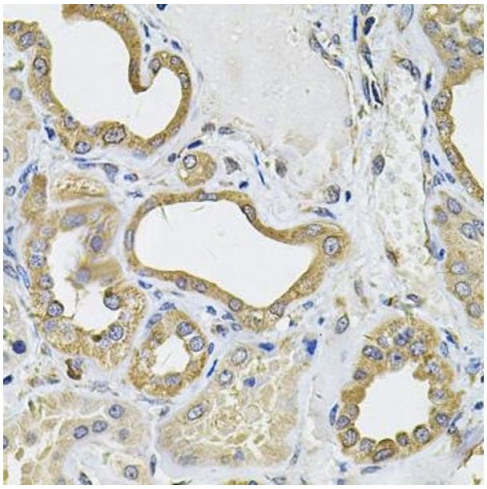
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human skin carcinoma using ICOSL Antibody (ABIN6130065, ABIN6142131, ABIN6142132 and ABIN6222879) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.




### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using ICOSL antibody (ABIN6130065, ABIN6142131, ABIN6142132 and ABIN6222879) at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human kidney using ICOSL Antibody (ABIN6130065, ABIN6142131, ABIN6142132 and ABIN6222879) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.