

## Rabbit anti-Human IL2 Polyclonal Antibody | anti-IL2 antibody

IL2 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                           |
|-----------|--------|------------|--------------------------------------------------------|
| AAA301932 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot |

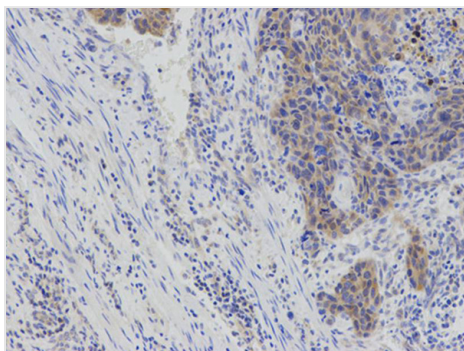
### PRODUCT SYNONYMS

IL2; Polyclonal Antibody; IL2 Antibody; IL-2; TCGF; lymphokine; anti-IL2 antibody

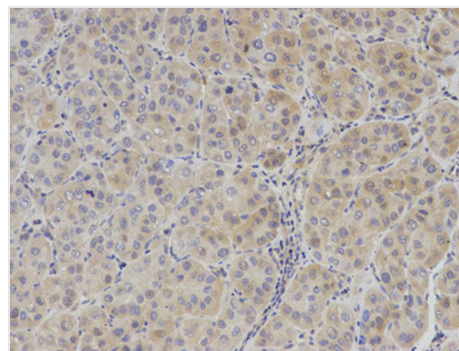
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                              |
| Reactivity                                    | Human                                                                                                                               |
| Clonality                                     | Polyclonal                                                                                                                          |
| Specificity                                   | The antibody detects endogenous level of total IL2 protein.                                                                         |
| Purity/Purification                           | Antibodies were purified by affinity purification using immunogen.                                                                  |
| Form/Format                                   | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                 | 1.0 mg/ml (varies by lot)                                                                                                           |
| Sequence Length                               | 153                                                                                                                                 |
| Applicable Applications for anti-IL2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                              |
| Immunogen Type                                | Recombinant Protein                                                                                                                 |
| Immunogen Description                         | Recombinant protein of human IL2.                                                                                                   |
| Target Name                                   | IL2                                                                                                                                 |
| Preparation and Storage                       | Store at -20 degree C                                                                                                               |

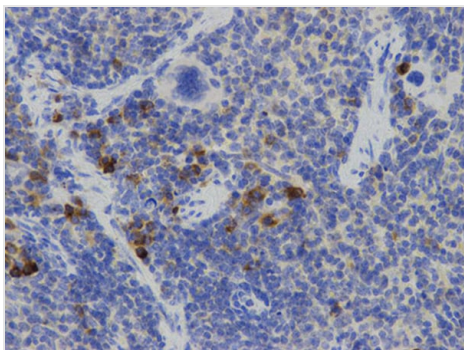
### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human esophageal cancer using IL-2 antibody at dilution of 1:100 (200x lens).

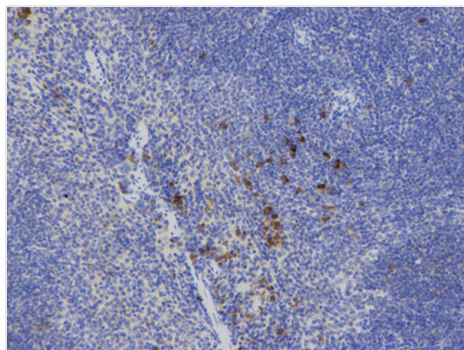

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human liver cancer using IL-2 antibody at dilution of 1:100 (200x lens).



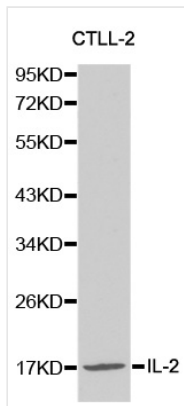
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse spleen using IL-2 antibody at dilution of 1:100 (400x lens).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse spleen using IL-2 antibody at dilution of 1:100 (200x lens).



#### WB (Western Blot)

Western blot analysis of CTLL-2 cell lysate using IL-2 antibody.

## ADDITIONAL INFORMATION

#### Related Product Information for anti-IL2 antibody

IL-2 is a T cell stimulatory cytokine best known for inducing T cell proliferation and NK cell proliferation and activation (1,2). IL-2 also promotes peripheral development of Treg cells (4, 5). Conversely, IL-2 is involved in activation induced cell death (AICD) that is observed post T cell expansion by increasing levels of Fas on CD4+ T cells (3). The effects of IL-2 are mediated through a trimeric receptor complex consisting of IL-2Ra, IL-2Rb and the common gamma chain, gc (1,2). IL-2 Ra binds exclusively to IL-2 with low affinity and increases binding affinity of the whole receptor complex including IL-2Rb and gc subunits. IL-2Rb is also used by IL-15 (1,2). The common gc is used by other cytokines including IL-4, IL-7, IL-9, IL-15, and IL-21 (1,2). Binding of IL-2 initiates signaling cascades involving Jak1, Jak3, Stat5 and the PI3K/Akt pathways (1,2).

#### Product Categories/Family for anti-IL2 antibody

Total protein Ab

## NCBI AND UNIPROT INFORMATION

|                                  |                |
|----------------------------------|----------------|
| NCBI GI #                        | 28178861       |
| NCBI GeneID                      | 3558           |
| NCBI Accession #                 | NP_000577.2    |
| NCBI GenBank Nucleotide #        | NM_000586.3    |
| UniProt Accession #              | P60568; P01585 |
| Molecular Weight                 | 17,628 Da      |
| NCBI Official Full Name          | interleukin-2  |
| NCBI Official Synonym Full Names | interleukin 2  |

|                               |                        |
|-------------------------------|------------------------|
| NCBI Official Symbol          | IL2                    |
| NCBI Official Synonym Symbols | IL-2; TCGF; lymphokine |
| NCBI Protein Information      | interleukin-2          |
| UniProt Protein Name          | Interleukin-2          |
| UniProt Gene Name             | <b>IL2</b>             |
| UniProt Synonym Gene Names    | IL-2; TCGF             |
| UniProt Entry Name            | IL2_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/301932>