



# Rabbit Anti-Human PDCD6 Polyclonal Antibody (CABT-L2256)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Product Overview</b>   | Polyclonal Antibody to Programmed Cell Death Protein 6 (Knockout Validated)  |
| <b>Specificity</b>        | The antibody is a rabbit polyclonal antibody raised against PDCD6. It has been selected for its ability to recognize PDCD6 in immunohistochemical staining and western blotting. |
| <b>Target</b>             | PDCD6  |
| <b>Immunogen</b>          | Recombinant fragment corresponding to human PDCD6 (Phe32~Val191)   |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Rabbit   |
| <b>Species Reactivity</b> | Human  |
| <b>Purification</b>       | Antigen-specific affinity chromatography followed by Protein A affinity chromatography   |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | WB   |
| <b>Format</b>             | Liquid   |
| <b>Concentration</b>      | Lot specific   |
| <b>Size</b>               | 200 µg   |
| <b>Buffer</b>             | Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.   |
| <b>Preservative</b>       | 0.05% Proclin-300  |

|                |   |
|----------------|---|
| <b>Storage</b> | Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months. |
| <b>Ship</b>    | 4°C with ice bags   |

## BACKGROUND

|                     |   |
|---------------------|---|
| <b>Introduction</b> | This gene encodes a calcium-binding protein belonging to the penta-EF-hand protein family. Calcium binding is important for homodimerization and for conformational changes required for binding to other protein partners. This gene product participates in T cell receptor-, Fas-, and glucocorticoid-induced programmed cell death. In mice deficient for this gene product, however, apoptosis was not blocked suggesting this gene product is functionally redundant. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is also located on the short arm of chromosome 5. [provided by RefSeq, May 2012] |
| <b>Keywords</b>     | ALG-2;PEF1B;Apoptosis-Linked Gene-2;Probable calcium-binding protein ALG-2  |

## GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | PDCD6 programmed cell death 6 [ Homo sapiens (human) ]  |
| <b>Official Symbol</b>     | PDCD6   |
| <b>Synonyms</b>            | PDCD6; programmed cell death 6; ALG2; ALG-2; PEF1B; programmed cell death protein 6; apoptosis-linked gene 2 protein; probable calcium-binding protein ALG-2;   |
| <b>Entrez Gene ID</b>      | <a href="#">10016</a>   |
| <b>Protein Refseq</b>      | NP_001254485  |
| <b>UniProt ID</b>          | <a href="#">O75340</a>  |
| <b>Chromosome Location</b> | 5p15.33   |
| <b>Function</b>            | binding, bridging; calcium ion binding; calcium-dependent cysteine-type endopeptidase activity; calcium-dependent protein binding; protein anchor; protein binding; protein dimerization activity; protein homodimerization activity; |