

## Rabbit anti-Human CANT1 Polyclonal Antibody | anti-CANT1 antibody

CANT1 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                           |
|-----------|--------|------------|--------------------------------------------------------|
| AAA280200 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot |

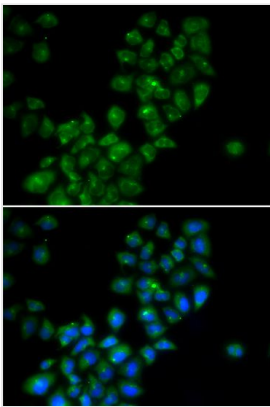
### PRODUCT SYNONYMS

CANT1; Polyclonal Antibody; CANT1 Polyclonal Antibody; DBQD; SCAN1; SHAPY; SCAN-1; anti-CANT1 antibody

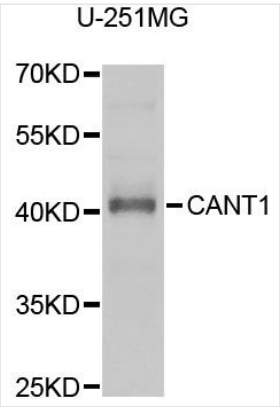
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 401                                                                                                                                                   |
| Applicable Applications for anti-CANT1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Species                                         | Human                                                                                                                                                 |
| Immunogen                                       | Recombinant Protein                                                                                                                                   |
| Immunogen                                       | Recombinant protein of human CANT1                                                                                                                    |
| Calculated Molecular Weight                     | 45kDa                                                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence analysis of HeLa cells using CANT1 antibody. Blue: DAPI for nuclear staining.



**WB (Western Blot)**  
Western blot analysis of extracts of U-251MG cells, using CANT1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 60s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CANT1 antibody | This protein encoded by this gene belongs to the apyrase family. It functions as a calcium-dependent nucleotidase with a preference for UDP. Mutations in this gene are associated with Desbuquois dysplasia with hand anomalies. Alternatively spliced transcript variants have been noted for this gene. |
| Product Categories/Family for anti-CANT1 antibody   | Polyclonal                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 66774052                                                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 124583                                                                                                                                                                                                                                                                                                                                                                                                           |
| UniProt Accession #              | Q8WVQ1; Q7Z2J7; Q8NG05; Q8NHP0; Q9BSD5; B4DJ54                                                                                                                                                                                                                                                                                                                                                                   |
| Molecular Weight                 | 401                                                                                                                                                                                                                                                                                                                                                                                                              |
| NCBI Official Full Name          | Soluble calcium-activated nucleotidase 1                                                                                                                                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Full Names | calcium activated nucleotidase 1                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Symbol             | CANT1                                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | DBQD; SCAN1; SHAPY; SCAN-1                                                                                                                                                                                                                                                                                                                                                                                       |
| NCBI Protein Information         | soluble calcium-activated nucleotidase 1; apyrase homolog; putative MAPK-activating protein PM09; putative NF-kappa-B-activating protein 107; soluble Ca-activated nucleotidase, isozyme 1; soluble calcium-activated nucleotidase SCAN-1; Ca2+-dependent endoplasmic reticulum nucleoside diphosphatase; micromelic dwarfism with vertebral and metaphyseal abnormalities and advanced carpotarsal ossification |
| UniProt Protein Name             | Soluble calcium-activated nucleotidase 1                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt Gene Name                | CANT1                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | SHAPY; SCAN-1                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt Entry Name               | CANT1_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.

