

## Anti-CC2D1A Antibody

Catalog Number: A04775-1

### About CC2D1A

CC2D1A (coiled-coil and C2 domain-containing 1A), also known as Freud-1, Aki1 or TAPE (TBK1-associated protein in endolysosomes), is an evolutionary conserved protein located in different subcellular compartments, including the nucleus, centrosome, and endolysosomes. It acts as a scaffold protein that interacts with various proteins and plays diverse biological roles. Mutations in CC2D1A have been linked to nonsyndromic mental retardation (NMSR) and generate a truncated 85-kDa product. Several isoforms of CC2D1A proteins have also been described: 120/130-kDa doublet of long isoform and 67 kDa short isoform. The short isoform of CC2D1A has been identified as the predominant isoform in rodent cells, while the long isoform is more abundant in human cells. Recently it has been reported that CC2D1A/TAPE is the first innate immune regulator implicated in both TLR and RLR signaling at a very early step.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-CC2D1A Antibody   |
| Reactive Species     | Human, Mouse, Rat  |
| Description          | Boster Bio Anti-CC2D1A Antibody catalog # A04775-1. Tested in WB, IHC, ICC, IF, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat.   |
| Application          | ELISA, IP, IF, IHC, ICC, WB  |
| Clonality            | Polyclonal   |
| Formulation          | 500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol<br>*This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.   |
| Host                 | Rabbit   |
| Uniprot ID           | Q6P1N0   |

### Technical Details

|               |  |
|---------------|--|
| Immunogen     | E.coli-derived human CC2D1A recombinant protein (Position: K3-L349). |
| Form          | Liquid   |
| Concentration | 500 ug/ml  |
| Purification  | Immunogen affinity purified.   |

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-400  
Immunocytochemistry/Immunofluorescence, 1:50-400  
ImmunoPrecipitation, 1:250-300  
ELISA, 1:100-1000

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