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## DAGL $\beta$ Antibody

#Cat: NB-19-0014

Size: 0,1ml

### Immunogen Data

**Description:** DAGL $\beta$  (diacylglycerol lipase  $\beta$ ) is a phosphodiesterase that belongs to the metallo-lactamase family. It catalyzes the hydrolysis of diacylglycerol (DAG) to 2-arachidonoyl-glycerol (2-AG), the most abundant endocannabinoid in the brain. It is required for axonal growth during development and for retrograde synaptic signaling at mature synapses.

**Immunogen:** Synthetic peptide (SSDSPLDSPTKYPTLC), corresponding to an internal sequence of rat/mouse DAGLb

**Alternative names:** RGD1310193 or KCCR13L

**UniProt ID:** POC1S9

**Mol. Weight:** 76 kD

### Antibody Data

**Host:** rabbit

**Clonality:** polyclonal

**Species Reactivity:** rat, mouse and human

**Concentration:**                      **Volume:** 0,1 ml

**Purity:** polyclonal antiserum

**Storage Buffer:** PBS, sodium azide and glycerol

**Storage Instruction:** Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

### Applications

**Tested Applications:** DAGLb antibody is recommended for detection of DAGLb of mouse, rat and human origin by immunohistochemistry (starting dilution 1/100, dilution range 1/50-1/500);non cross-reactive with DAGLa.

**Recommended Dilutions:**

**IHC/IF:** 1/50-1/500

### Background references

(1) Bisogno T, Howell F, Williams G, Minassi A, Cascio MG, Ligresti A, Matias I, Schiano Moriello A, Paul P, Williams EJ, Gangadharan U, Hobbs C, Di Marzo V, Doherty P. 2003. Cloning of the first sn1-dag lipases points to the spatial and temporal regulation of endocannabinoid signaling in the brain. J Cell Biol 163:463–468.

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