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**Monoclonal Anti- Kinase D-interacting substrate 220, Kidins 220****Catalog#** BMA1027**Lot #** Check on the product label**Size** 100 µg**Isotype** IgG1**Clone #** K23**Host** Mouse**Reactivity**

Human ,mouse

**Product Form** Liquid**Purification** Protein A purified**Immunogen**

Recombinant Kidins 220 protein.

**Recommend Application**

Western Blot, WB (1:500-1:5,000)

Immunohistochemistry, IHC-P (1:20)

Immunocytochemistry, ICC (1:50)

Other applications have not been tested.

The optimal dilutions should be determined by end user.

**Storage Buffer**

1\*PBS (pH7.4), 0.2% BSA, 40% Glycerol and 0.05% Sodium Azide.

**Storage Instruction**

Store at 4°C after thawing (1 week).

Aliquot and store at -20°C for long term (at least one year).

Avoid repeated freeze and thaw cycles.

**Background**

Protein kinase D (PKD) is a serine/threonine kinase regulated by diacylglycerol signaling pathways with unique domain composition and

enzymatic properties, still awaiting identification of its specific substrate(s). Kinase D-interacting substrate 220(Kidins220) is an enzyme that in humans is encoded by the KIDINS220 gene. <sup>[1]</sup> It is an integral membrane protein selectively expressed in brain and neuroendocrine cells, where it concentrates at the tip of neurites. and it contains 11 ankyrin repeats and four transmembrane domains within the N-terminal region.

**Reference**

1. Iglesias T, Cabrera-Poch N, Mitchell MP, Naven TJ, Rozengurt E, Schiavo G (Jan 2001). "Identification and cloning of Kidins220, a novel neuronal substrate of protein kinase D". J Biol Chem 275 (51): 40048–56.

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