# DAGLA polyclonal antibody

Catalog: BS33069 Host: Rabbit Reactivity: Human, Mouse, Rat

## BackGround:

Diacylglycerol lipase-alpha: Serine hydrolase that hydrolyzes arachidonic acid-esterified diacylglycerols (DAGs) to produce the principal endocannabinoid, 2-arachidonoylglycerol (2-AG) . Preferentially hydrolyzes sn-1 fatty acids from diacylglycerols (DAG) that contain arachidonic acid (AA) esterified at the sn-2 position to biosynthesize 2-AG . Has negligible activity against other lipids including monoacylglycerols and phospholipids . Plays a key role in regulating 2-AG signaling in the central nervous system (CNS). Regulates 2-AG involved in retrograde suppression at central synapses. Supports axonal growth during development and adult neurogenesis. Plays a role for eCB signaling in the physiological regulation of anxiety and depressive behaviors. Also regulates neuroinflammatory responses in the brain, in particular, LPS-induced microglial activation (By similarity)

## Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

## Molecular Weight:

~115 kDa

## Swiss-Prot:

Q9Y4D2

## Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

## Applications:

WB (1/500 - 1/1000)

## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

## Specificity:

Recognizes endogenous levels of DAGLA protein

## DATA:

Western blot analysis of RPA2 (Phospho-S33) expression in MCF7 (A), NIH3T3 (B) whole cell lysates.

## Note:

For research use only, not for use in diagnostic procedure.

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