

DAGLB Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55452**Specification**

DAGLB Polyclonal Antibody - Product Information

Application	E
Primary Accession	Q8NCG7
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73732

DAGLB Polyclonal Antibody - Additional Information**Gene ID** 221955**Other Names**

Diacylglycerol lipase-beta, DAGL-beta, DGL-beta, 3.1.1.-, KCCR13L, PUFA-specific triacylglycerol lipase, Sn1-specific diacylglycerol lipase beta, DAGLB

Dilution

E~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

DAGLB Polyclonal Antibody - Protein Information**Name** DAGLB**Function**

Lipase that catalyzes the hydrolysis of arachidonic acid (AA)-esterified diacylglycerols (DAGs) to produce the principal endocannabinoid, 2-arachidonoylglycerol (2-AG) which can be further cleaved by downstream enzymes to release arachidonic acid (AA) for cyclooxygenase (COX)-mediated eicosanoid production (PubMed:[14610053](http://www.uniprot.org/citations/14610053)). Preferentially hydrolyzes DAGs at the sn-1 position in a calcium- dependent manner and has negligible activity against other lipids including monoacylglycerols and phospholipids (PubMed:[14610053](http://www.uniprot.org/citations/14610053)). Plays a key role in the regulation of 2-AG and AA pools utilized by COX1/2 to generate lipid mediators of macrophage and microglia inflammatory responses. Also functions as a polyunsaturated fatty acids-specific triacylglycerol lipase in macrophages. Plays an important role to support the metabolic and signaling demands of macrophages (By similarity).

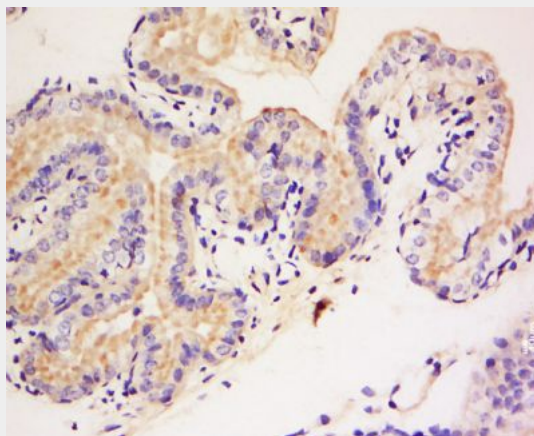
Cellular Location

Cell membrane; Multi-pass membrane protein

DAGLB Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DAGLB Polyclonal Antibody - Images

Tissue/cell: Mouse placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-DAGLB Polyclonal Antibody, Unconjugated(bs-14190R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining