

**ABHD4 (aa 304 to 316) Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2645a****Specification**

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**ABHD4 (aa 304 to 316) Antibody (internal region) - Product Information**

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| Application       | E                                                                                    |
| Primary Accession | <a href="#">Q8TB40</a>                                                               |
| Other Accession   | <a href="#">NP_071343.2</a> , <a href="#">63874</a> , <a href="#">105501 (mouse)</a> |
| Predicted         | Human, Mouse, Rat, Dog                                                               |
| Host              | Goat                                                                                 |
| Clonality         | Polyclonal                                                                           |
| Concentration     | 0.5 mg/ml                                                                            |
| Isotype           | IgG                                                                                  |
| Calculated MW     | 38794                                                                                |

**ABHD4 (aa 304 to 316) Antibody (internal region) - Additional Information****Gene ID** 63874**Other Names**Abhydrolase domain-containing protein 4, 3.1.1.-, Alpha/beta-hydrolase 4,  
Lyso-N-acylphosphatidylethanolamine lipase, ABHD4**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ABHD4 (aa 304 to 316) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**ABHD4 (aa 304 to 316) Antibody (internal region) - Protein Information****Name** ABHD4 ([HGNC:20154](#))**Function**

Lysophospholipase selective for N-acyl phosphatidylethanolamine (NAPE). Contributes to the biosynthesis of N- acyl ethanolamines, including the endocannabinoid anandamide by hydrolyzing the sn-1 and sn-2 acyl chains from N-acyl phosphatidylethanolamine (NAPE) generating glycerophospho-N-acyl ethanolamine (GP-NAE), an intermediate for N-acyl ethanolamine biosynthesis. Hydrolyzes substrates bearing saturated, monounsaturated, polyunsaturated N-acyl chains. Shows no significant activity towards other lysophospholipids, including lysophosphatidylcholine, lysophosphatidylethanolamine and lysophosphatidylserine.

**ABHD4 (aa 304 to 316) Antibody (internal region) - 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](#)

**ABHD4 (aa 304 to 316) Antibody (internal region) - Images****ABHD4 (aa 304 to 316) Antibody (internal region) - References**

Endocannabinoid biosynthesis proceeding through glycerophospho-N-acyl ethanolamine and a role for alpha/beta-hydrolase 4 in this pathway. Simon GM, Cravatt BF. J Biol Chem. 2006 Sep 8;281(36):26465-72. Epub 2006 Jul 3. PMID: 16818490