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**Product Name: ABHD4 Rabbit Polyclonal Antibody****Catalog #: APRab06439**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

**Dilution Ratio** IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000

**Molecular Weight**

**Antigen Information**

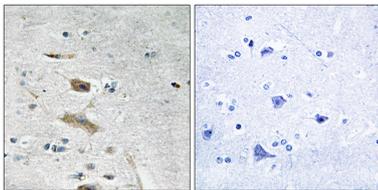
<b>Gene Name</b>	ABHD4
<b>Alternative Names</b>	ABHD4; Abhydrolase domain-containing protein 4; Alpha/beta-hydrolase 4; Lyso-N-acylphosphatidylethanolamine lipase
<b>Gene ID</b>	63874.0
<b>SwissProt ID</b>	Q8TB40
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ABHD4. AA range:251-300

**Background**

caution:Thr-291 is present instead of the conserved His which is expected to be an active site residue.,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.,similarity:Belongs to the peptidase S33 family. ABHD4/ABHD5 subfamily.,caution:Thr-291 is present instead of the conserved His which is expected to be an active site residue.,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.,similarity:Belongs to the peptidase S33 family. ABHD4/ABHD5 subfamily.,

## Research Area

## Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ABHD4 Antibody. The picture on the right is blocked with the synthesized peptide.